

F I G . 1

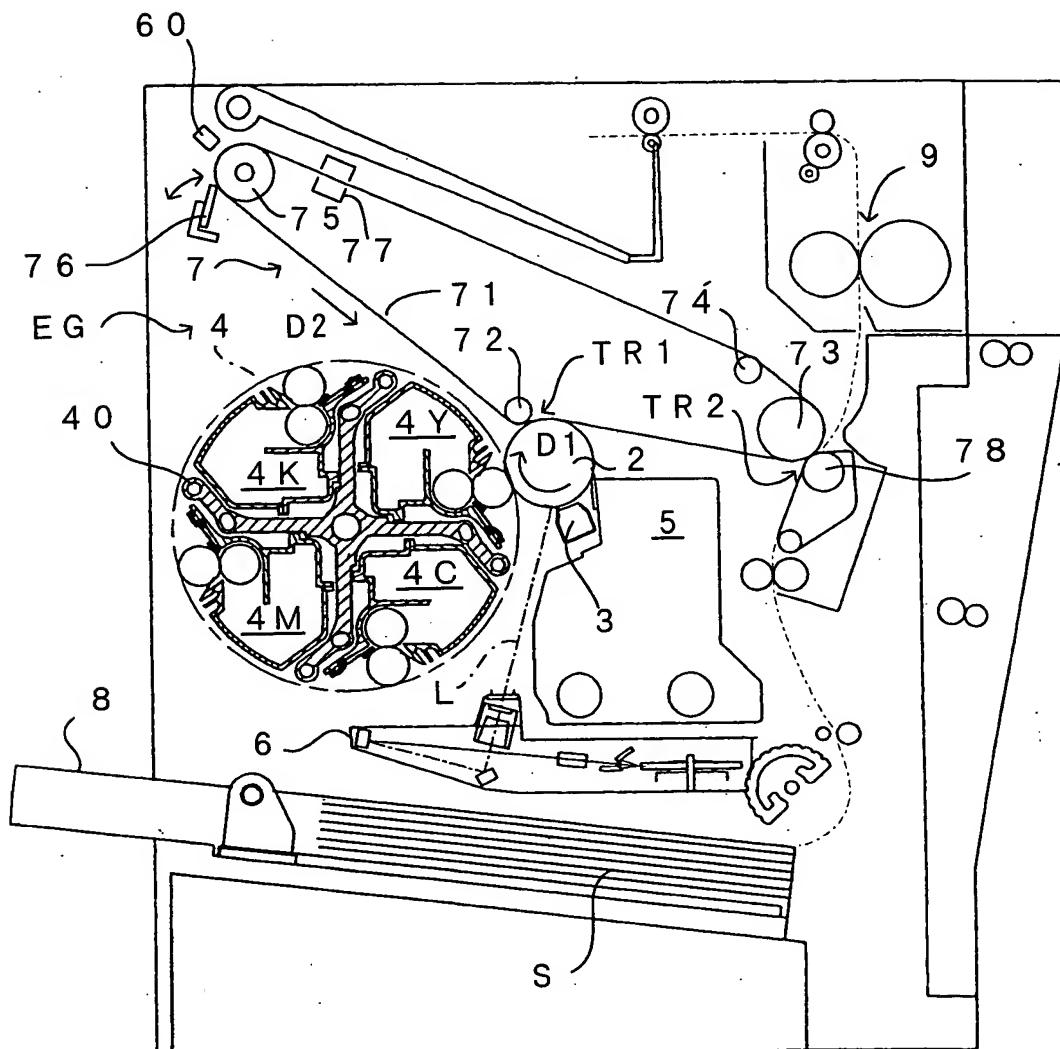
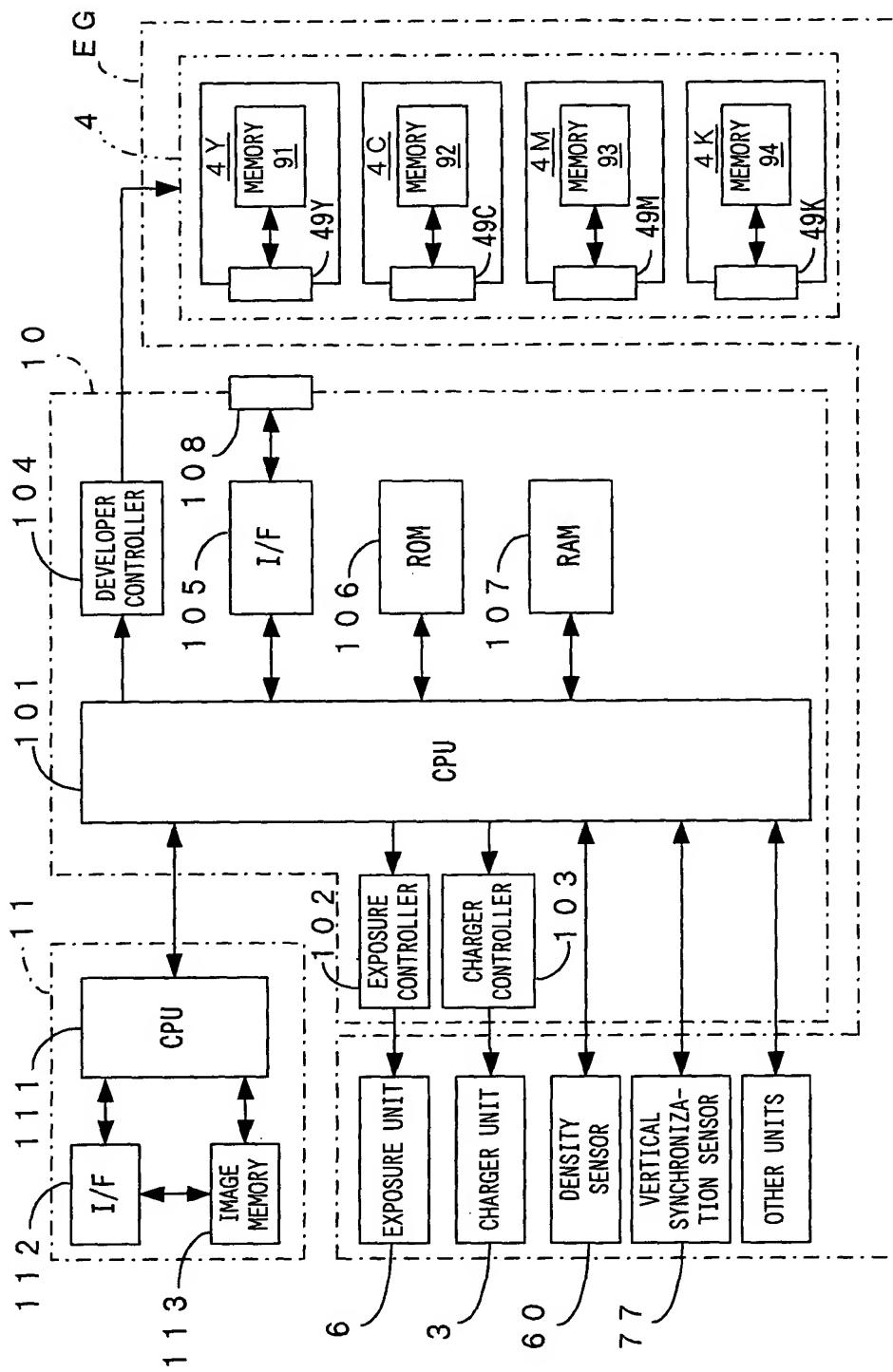


FIG. 2



F I G . 3

4 K (4 C, 4 M, 4 Y)

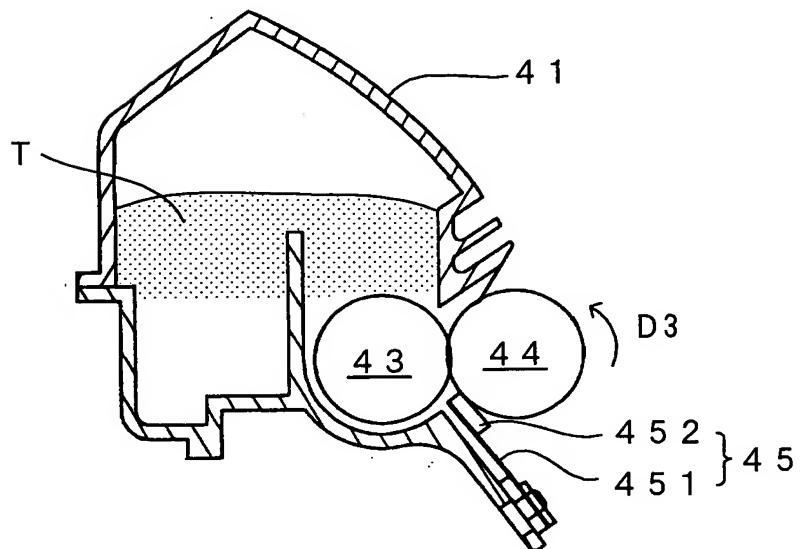
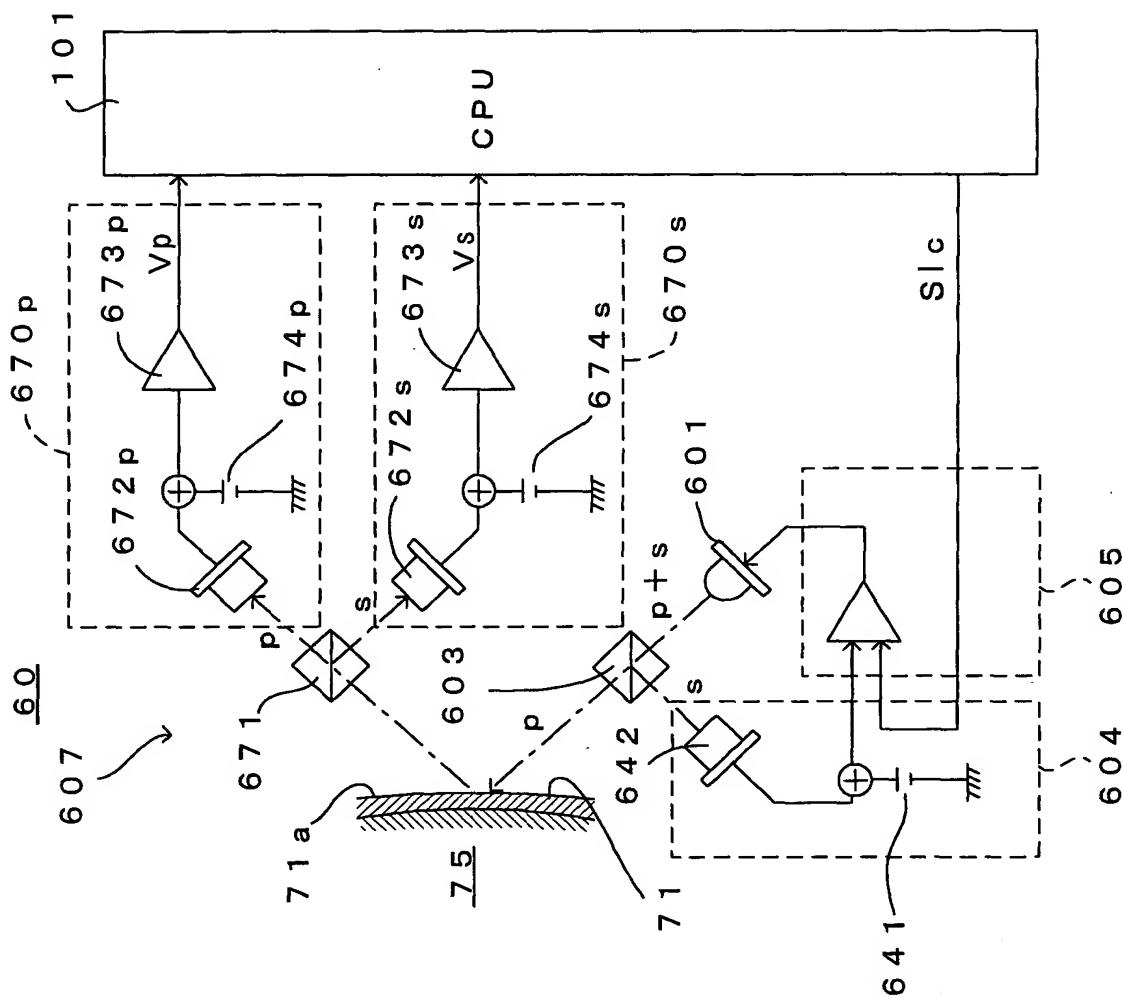
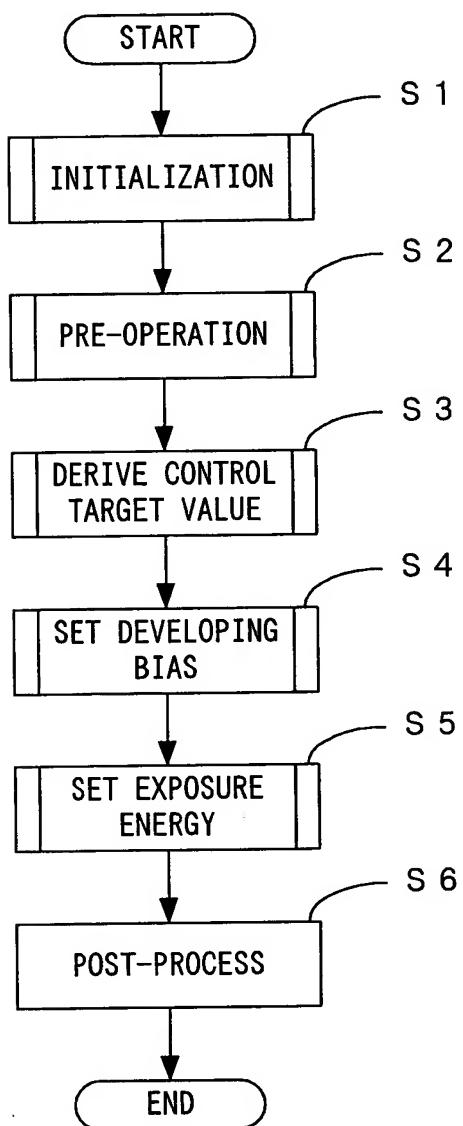


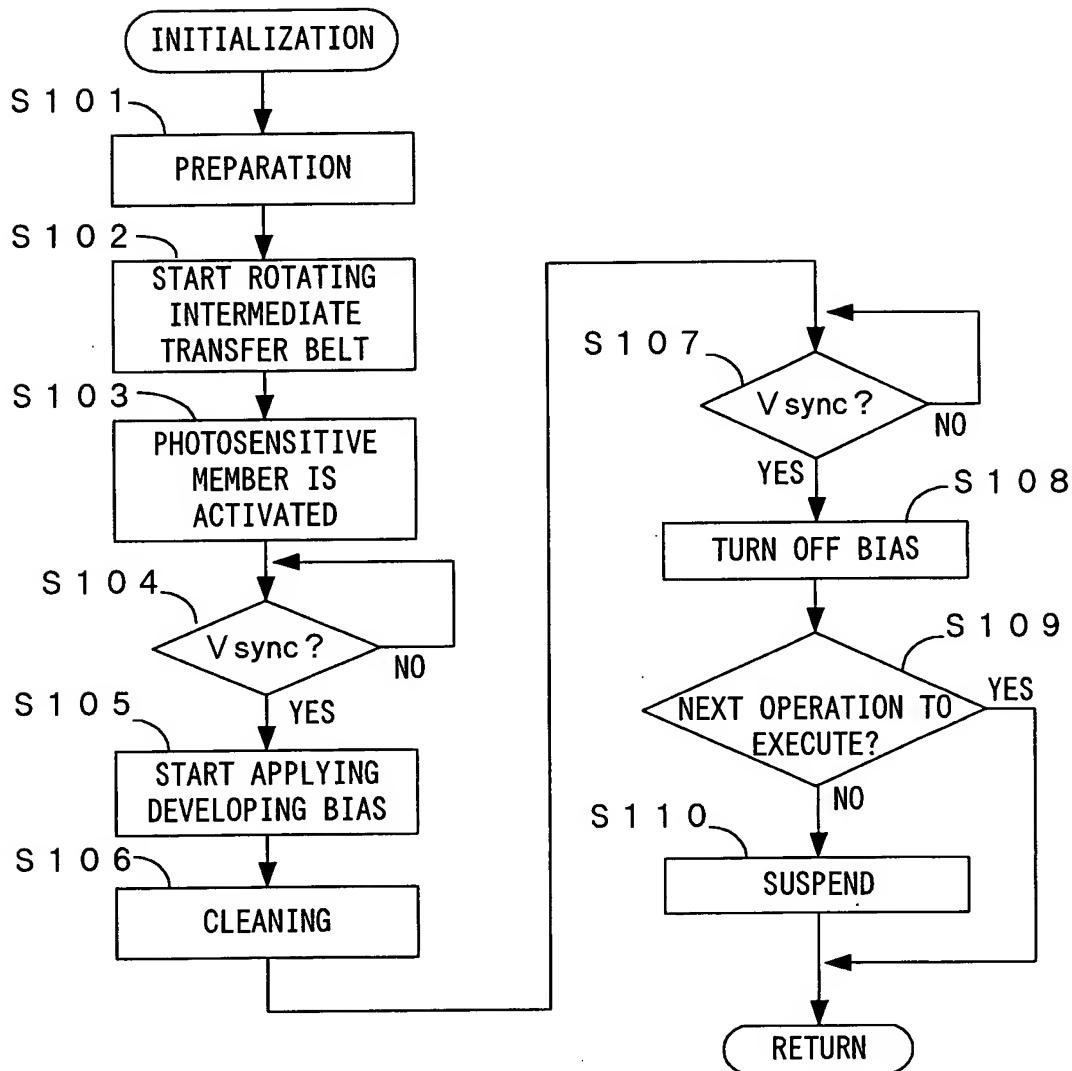
FIG. 4



F I G . 5



F I G . 6



F I G . 7

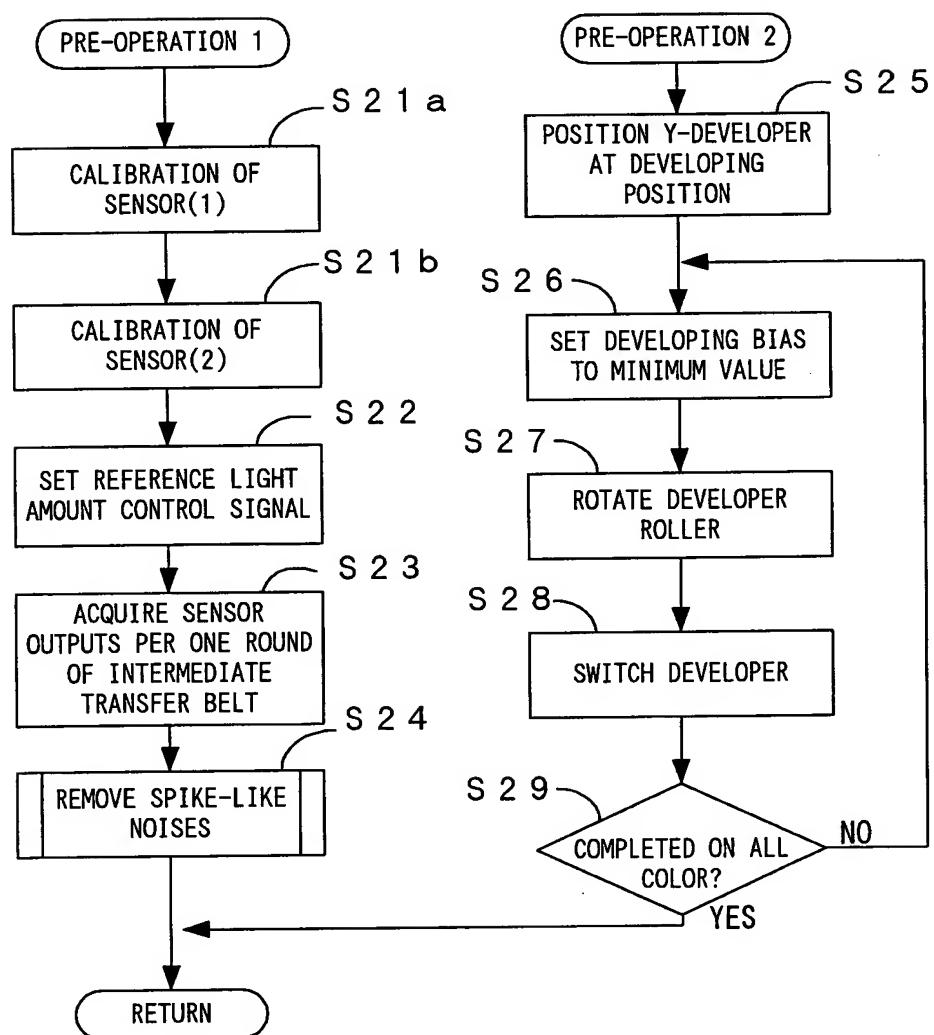


FIG. 8 A

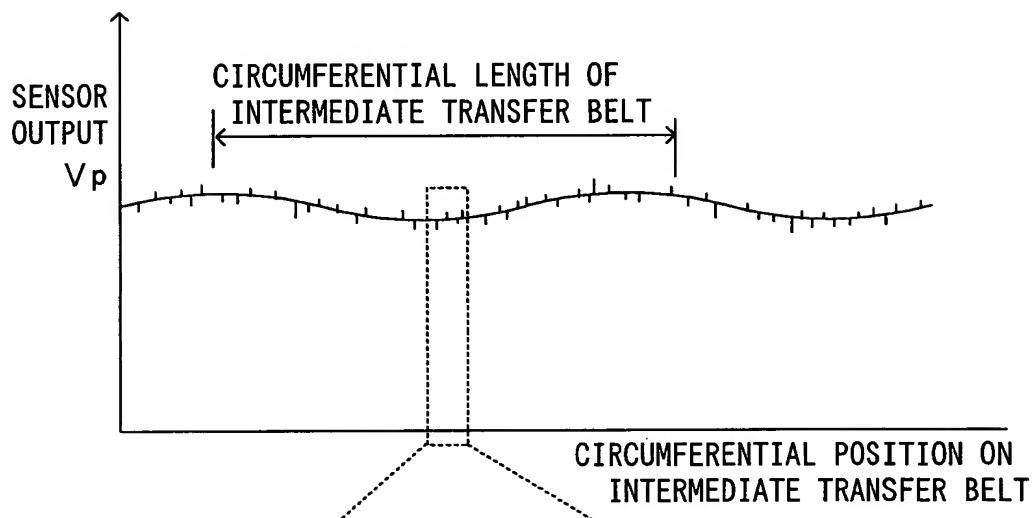
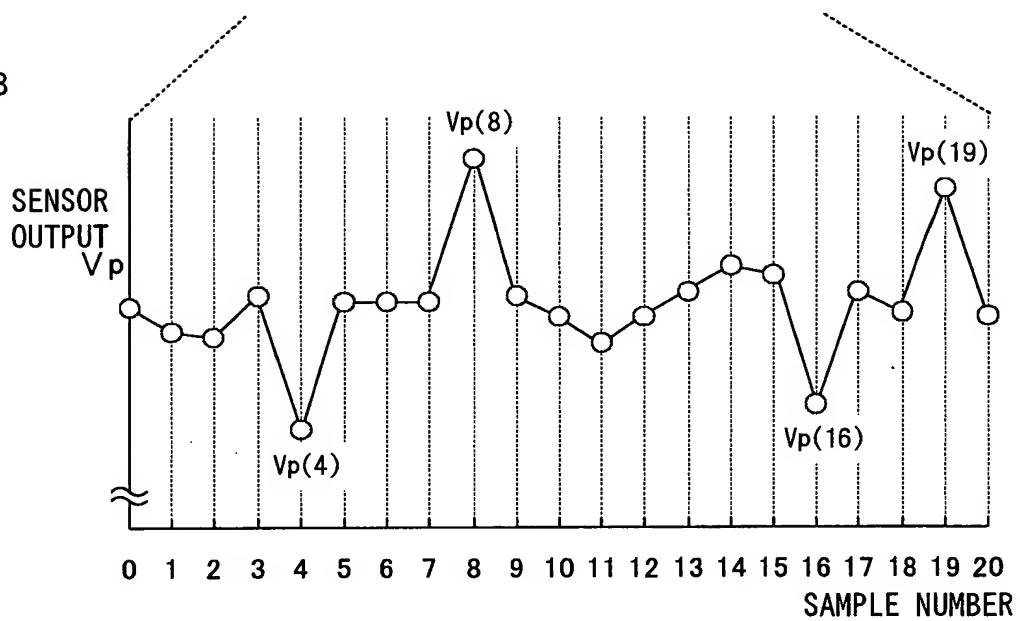
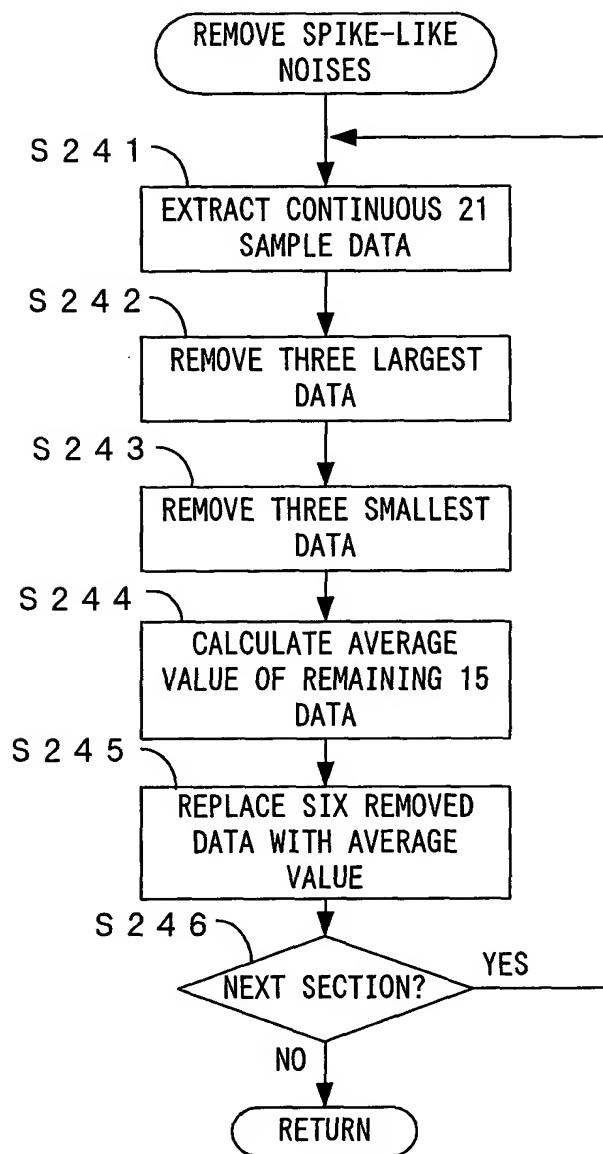


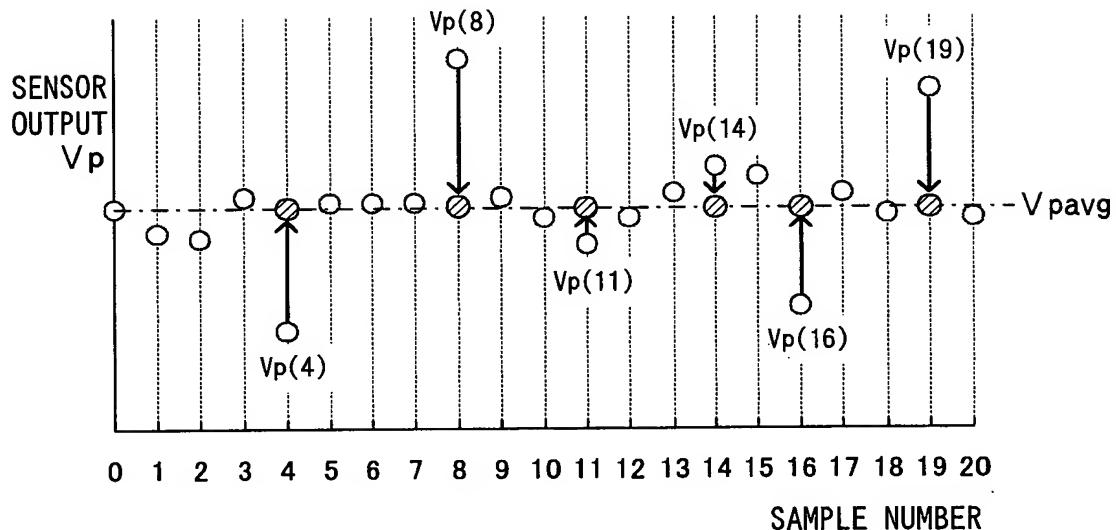
FIG. 8 B



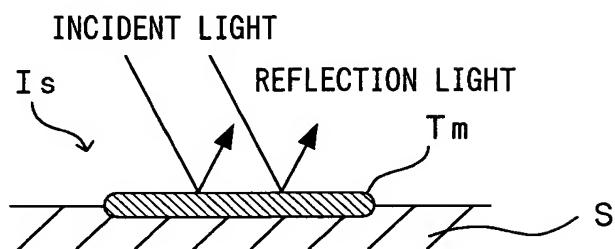
F I G . 9



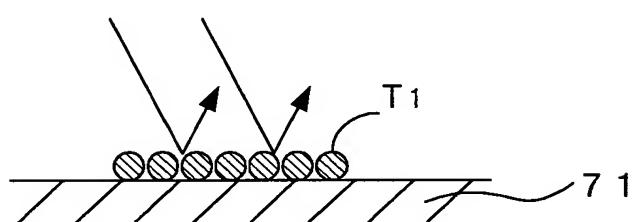
F I G . 1 0



F I G . 1 1 A



F I G . 1 1 B



F I G . 1 1 C

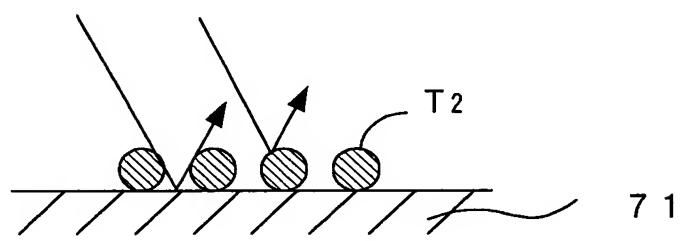


FIG. 12 A

DISTRIBUTION OF PARTICLE DIAMETER

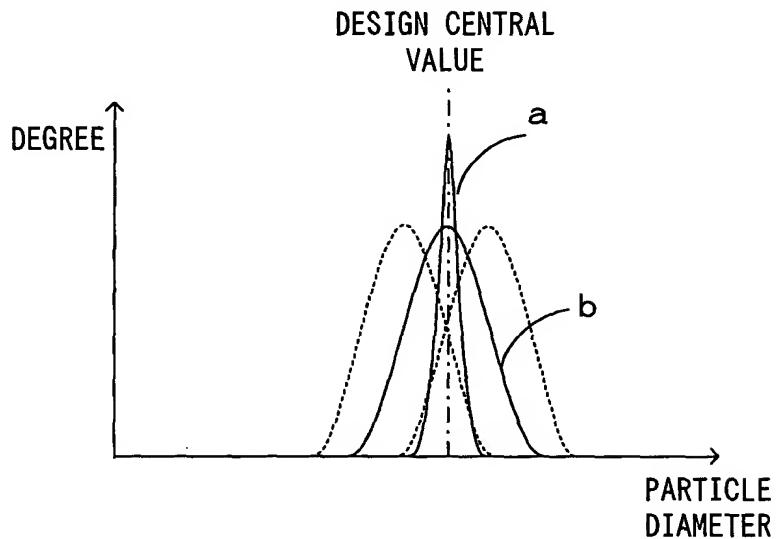
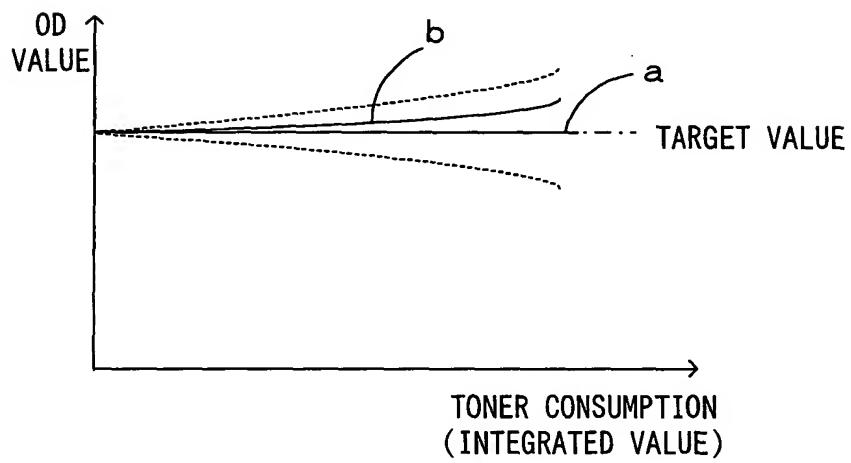
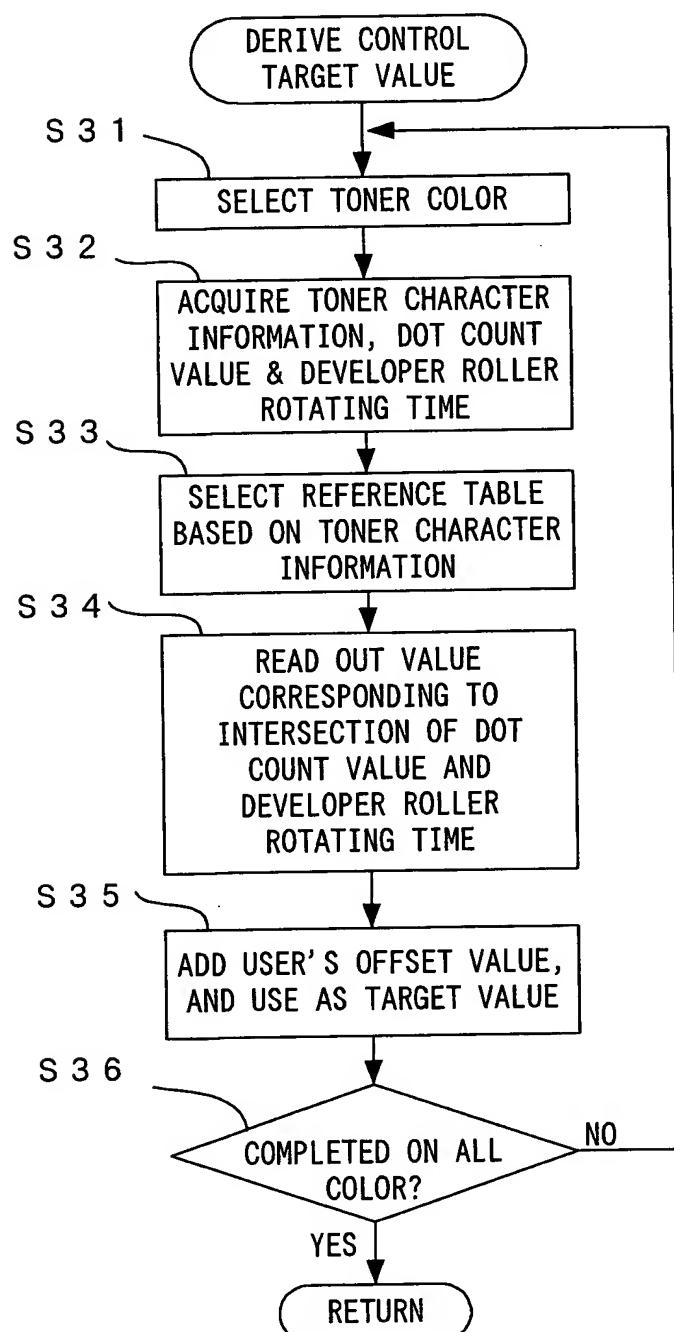


FIG. 12 B

CHANGE IN OD VALUE



F I G . 1 3



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IMAGE UNDER CONTROLLED IMAGE
FORMING CONDITION
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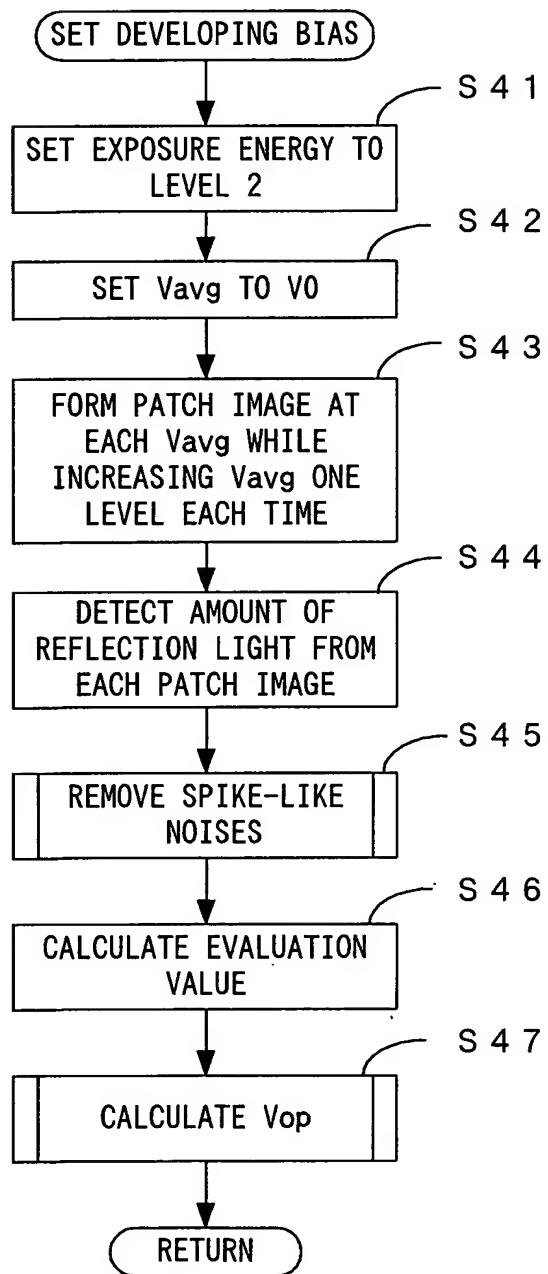
FIG. 14A HIGH-DENSITY PATCH IMAGE

TONER CHARACTER INFORMATION = "O"		DEVELOPER ROLLER ROTATING TIME(sec)			
		~1325	~3975	~6625	~10600
DOT COUNT VALUE	~1000000	0.990	0.988	0.984	0.982
	~2000000	0.988	0.984	0.982	0.982
	~6666666	0.984	0.982	0.982	0.982
	~12000000	0.982	0.982	0.982	0.982

FIG. 14B LOW-DENSITY PATCH IMAGE

TONER CHARACTER INFORMATION = "O"		DEVELOPER ROLLER ROTATING TIME(sec)			
		~1325	~3975	~6625	~10600
DOT COUNT VALUE	~1000000	0.185	0.182	0.181	0.180
	~2000000	0.182	0.181	0.180	0.180
	~6666666	0.181	0.180	0.180	0.180
	~12000000	0.180	0.180	0.180	0.180

F I G . 1 5



F I G . 1 6

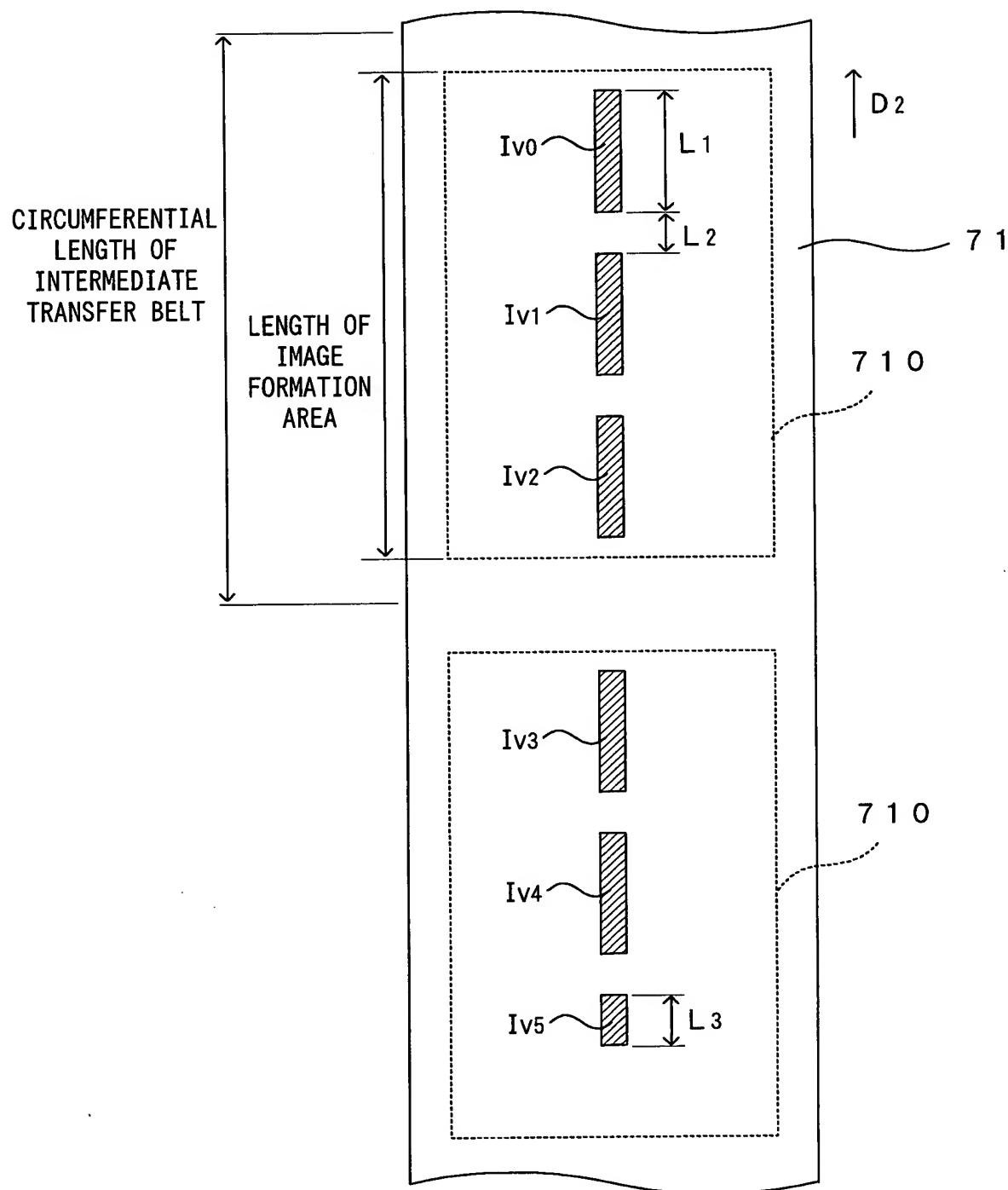
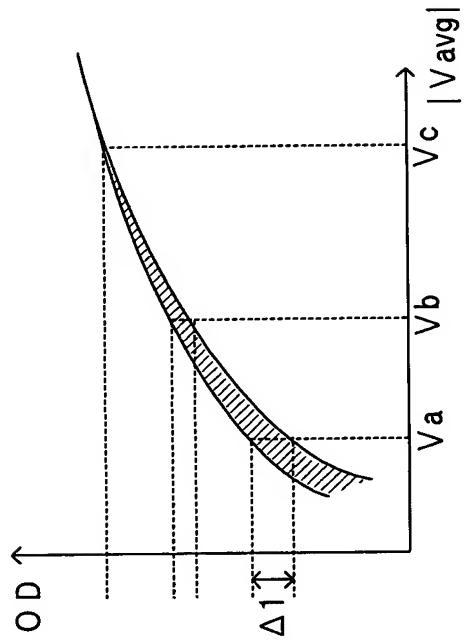
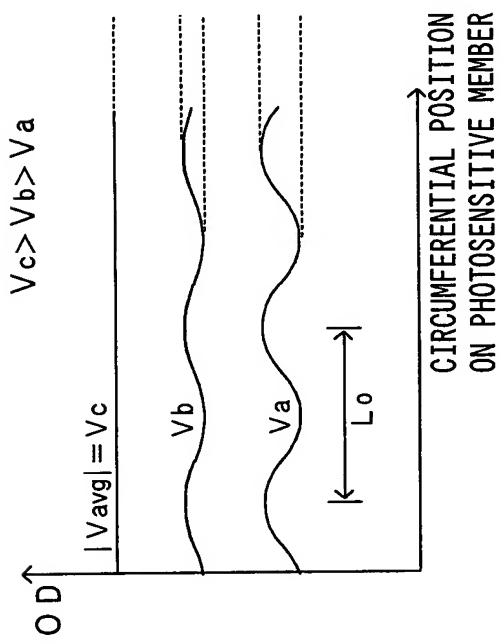
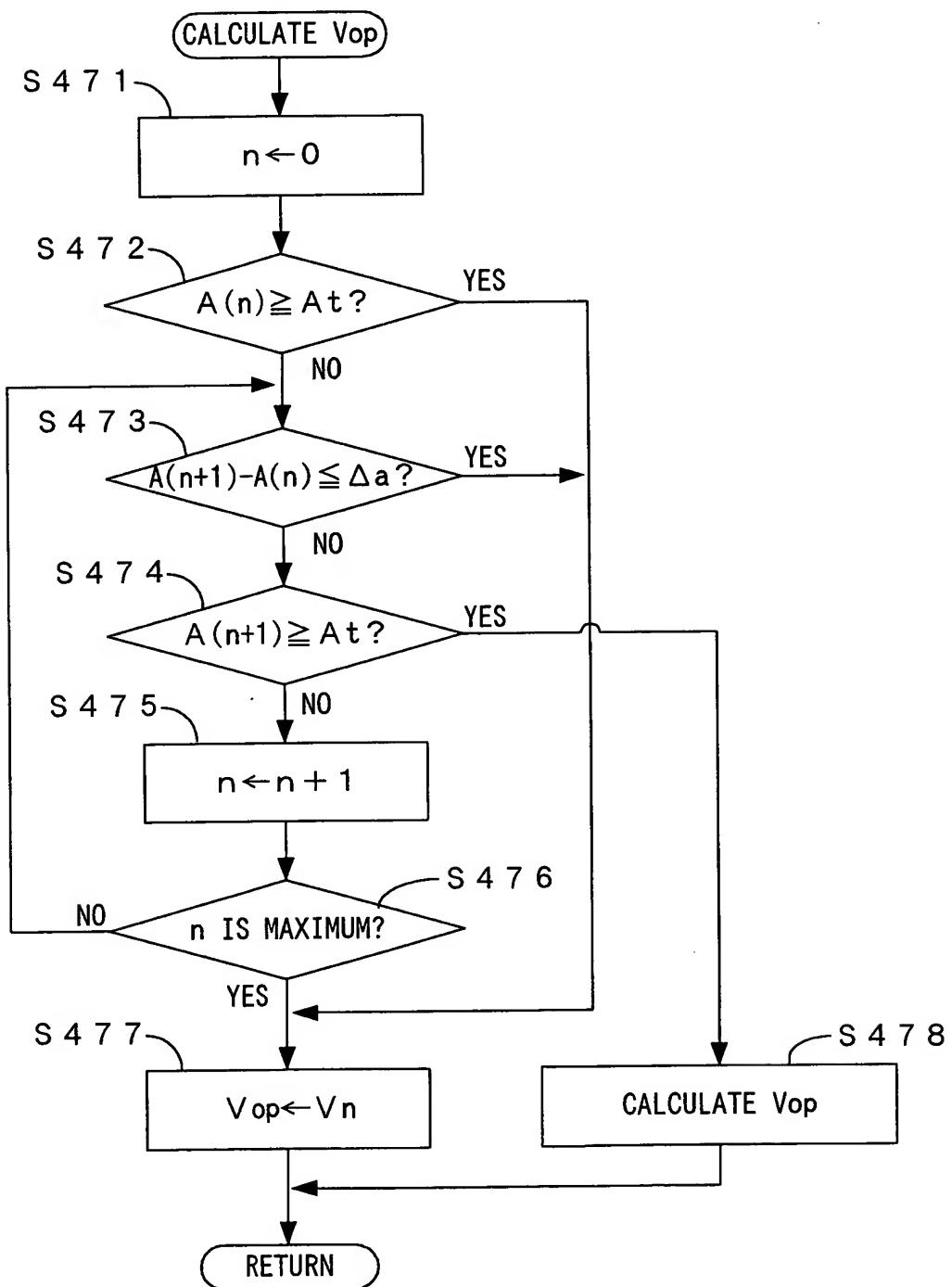


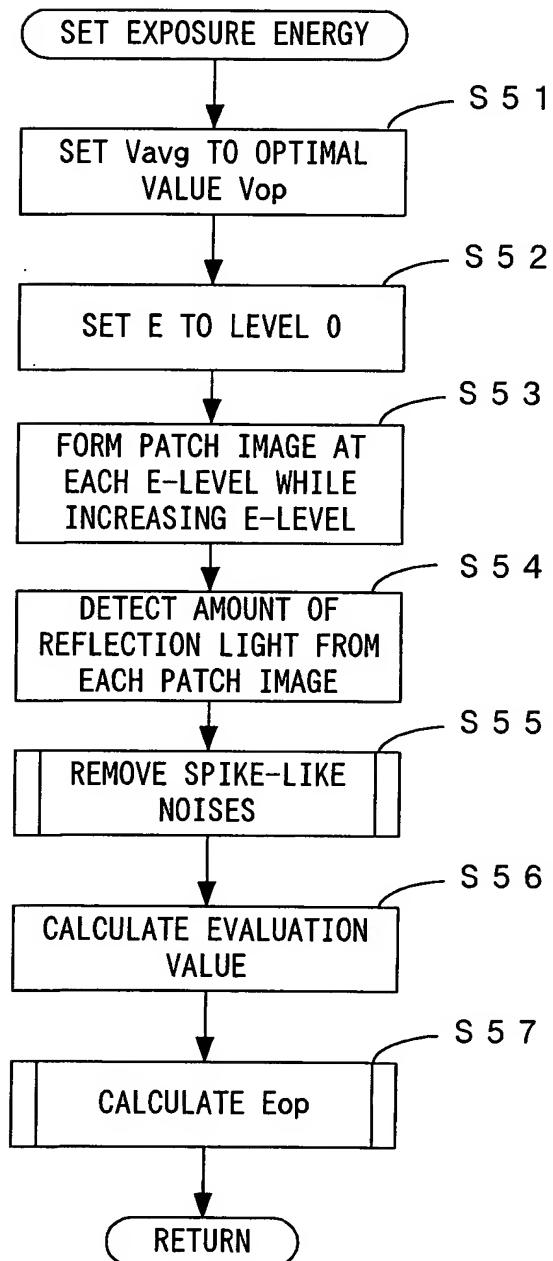
FIG. 17 A FIG. 17 B



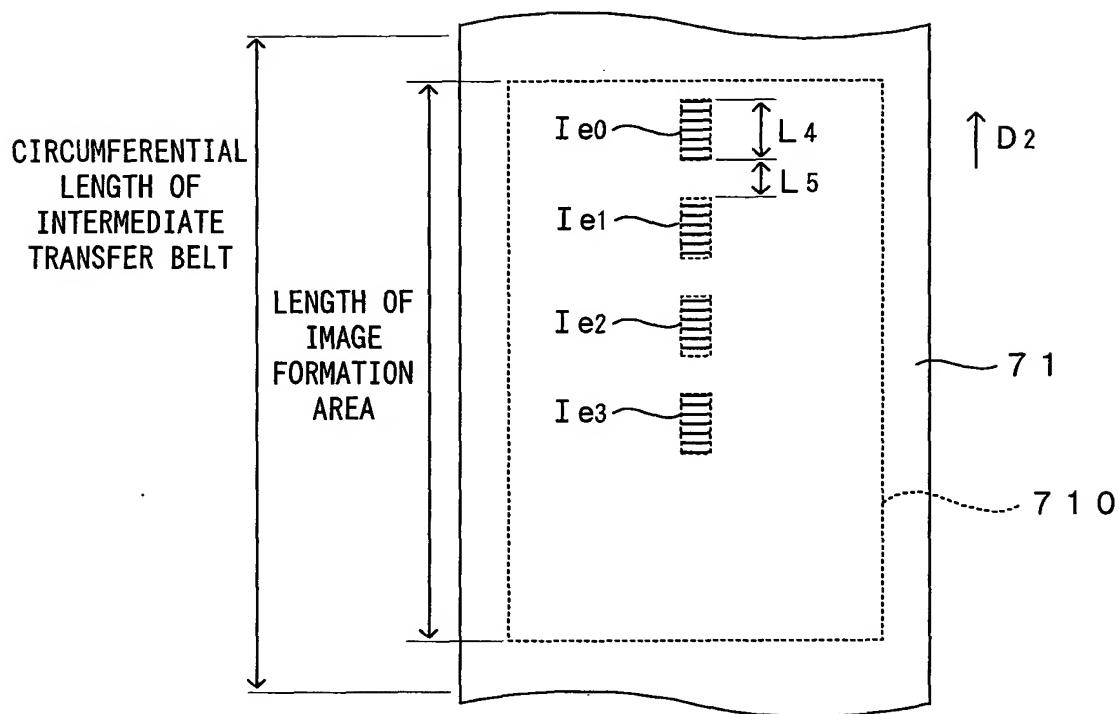
F I G . 1 8



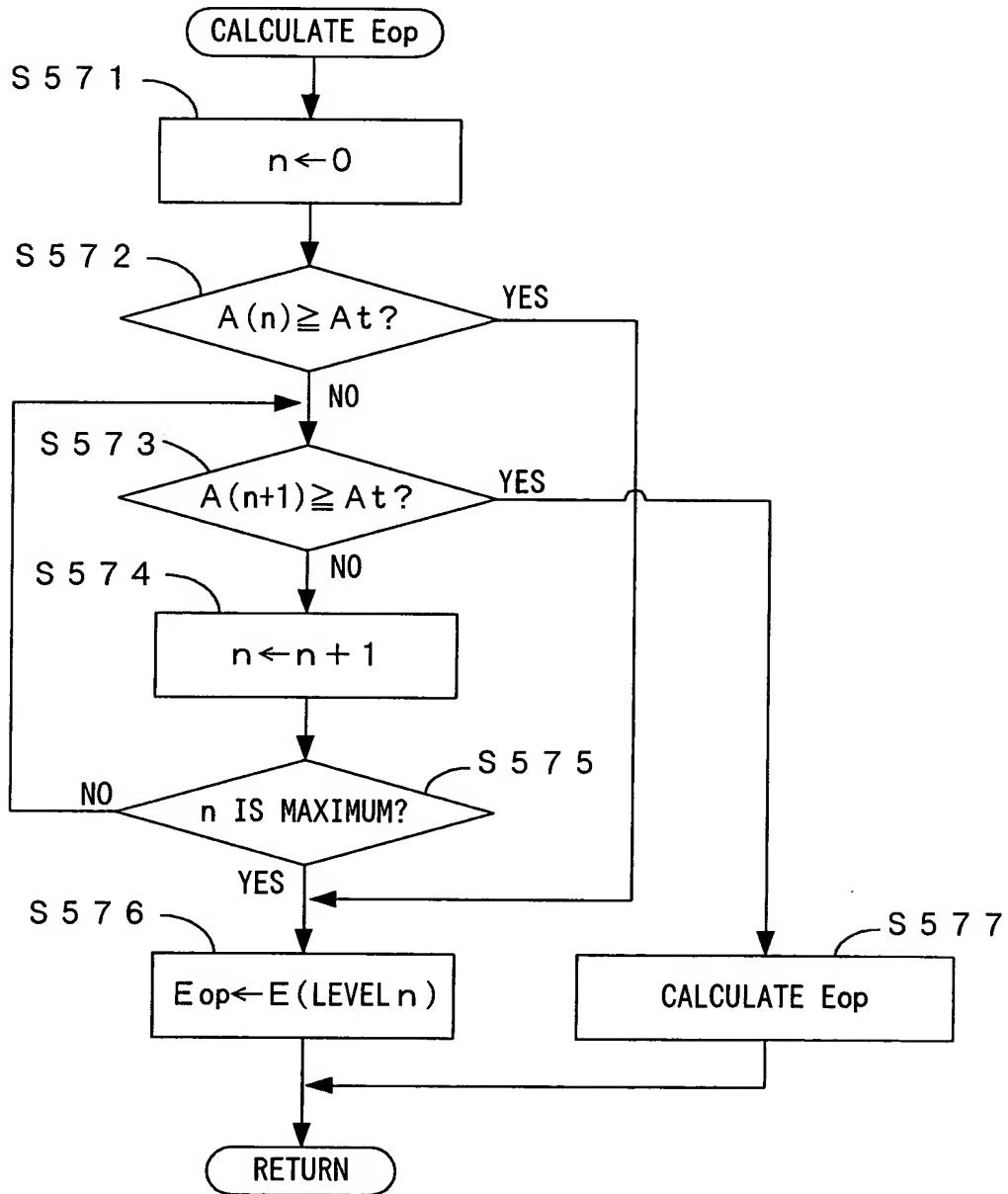
F I G . 1 9



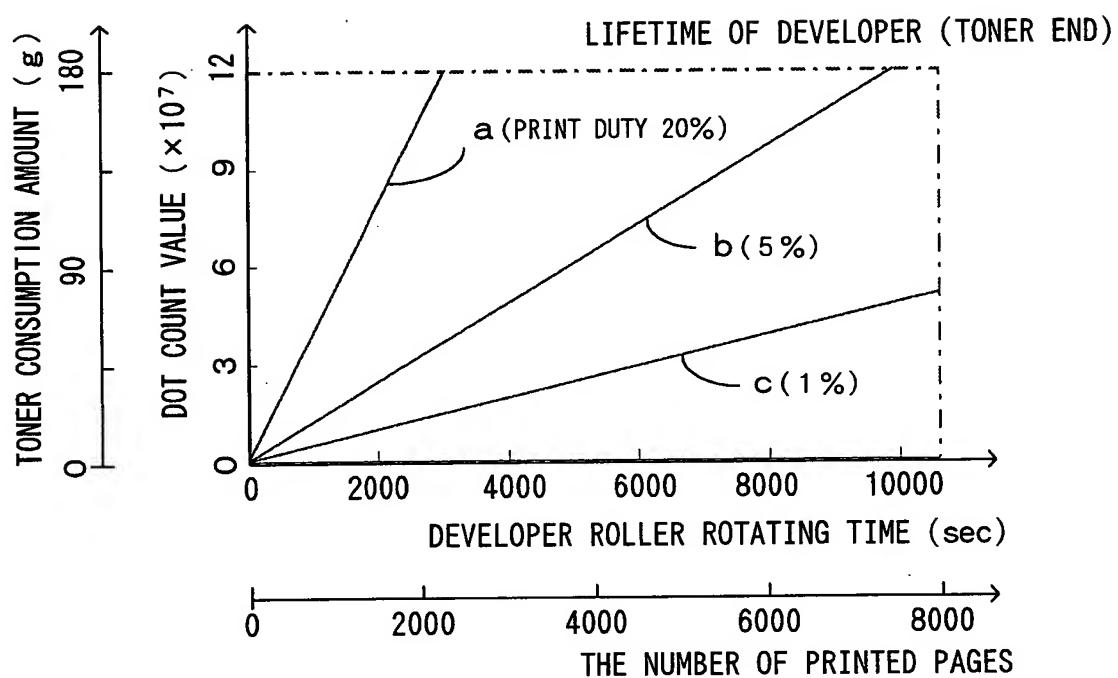
F I G . 2 0



F I G . 2 1

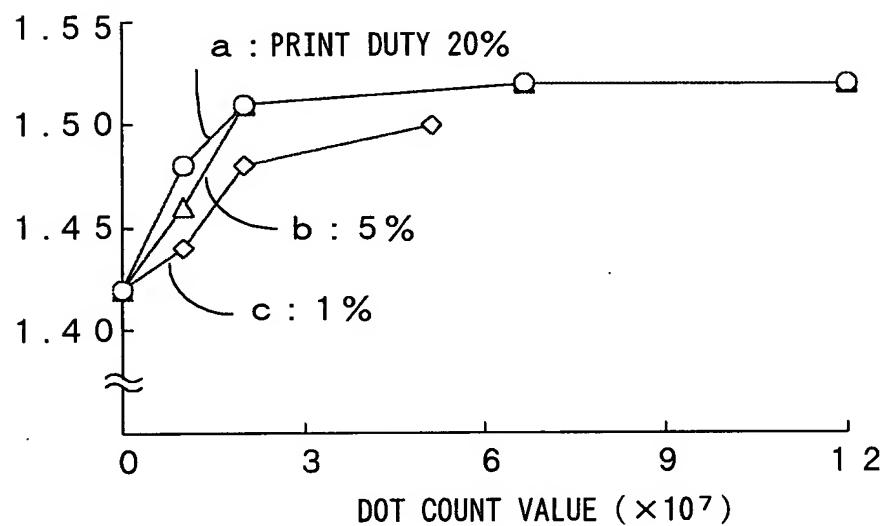


F I G . 2 2

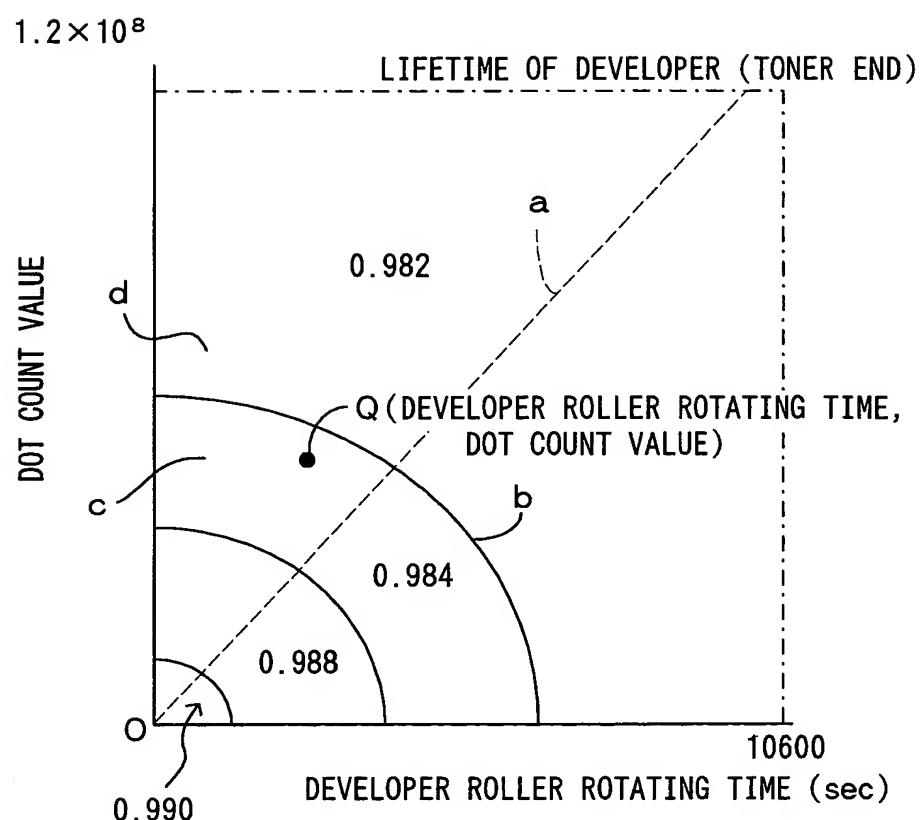


F I G . 2 3

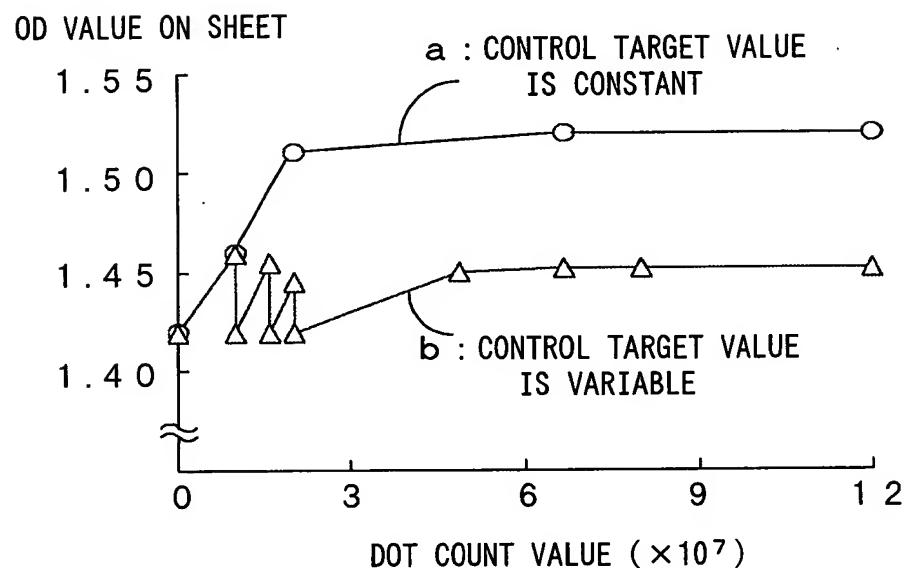
OD VALUE ON SHEET



F I G . 2 4



F I G . 2 5



F I G . 2 6

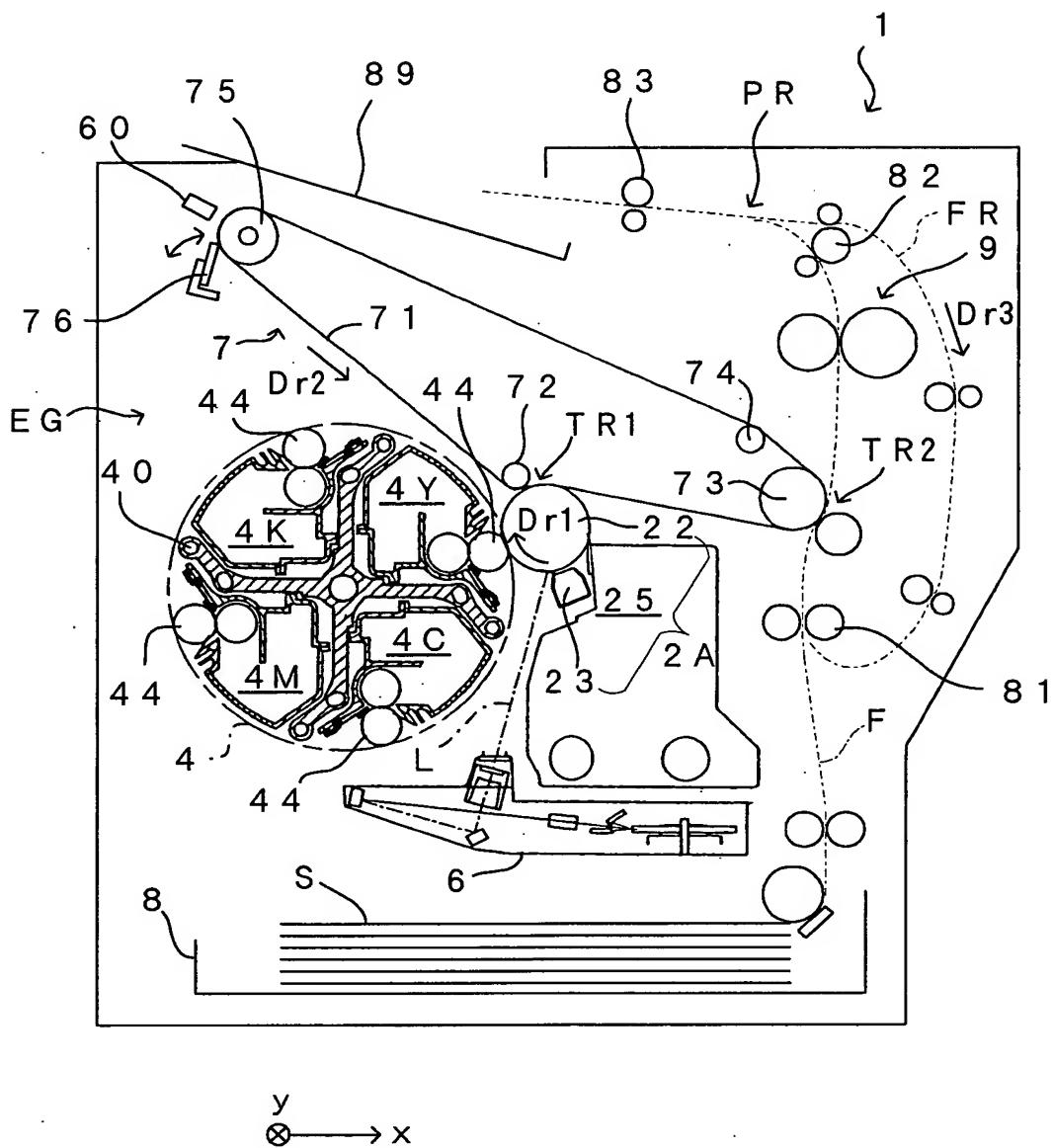
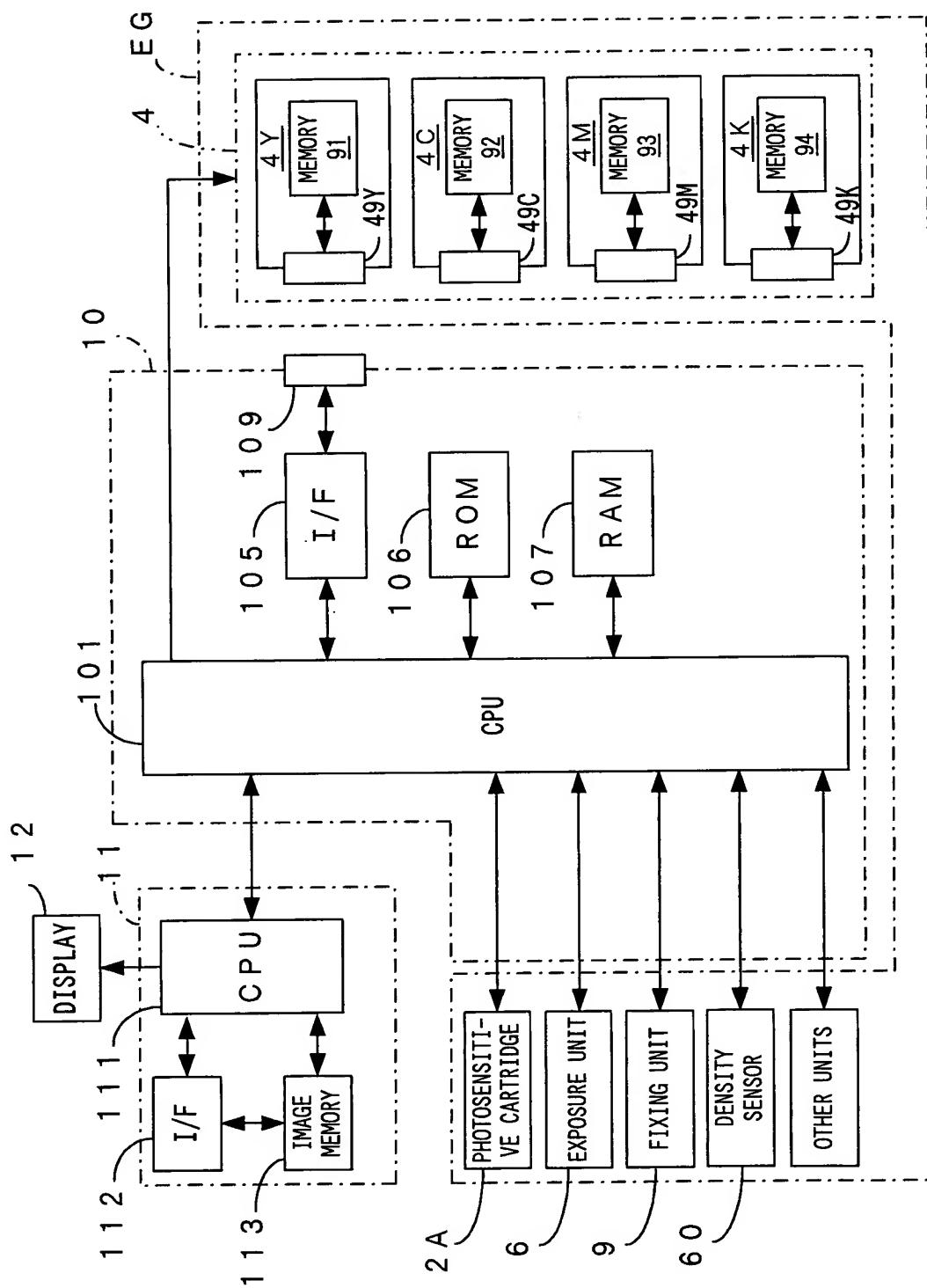
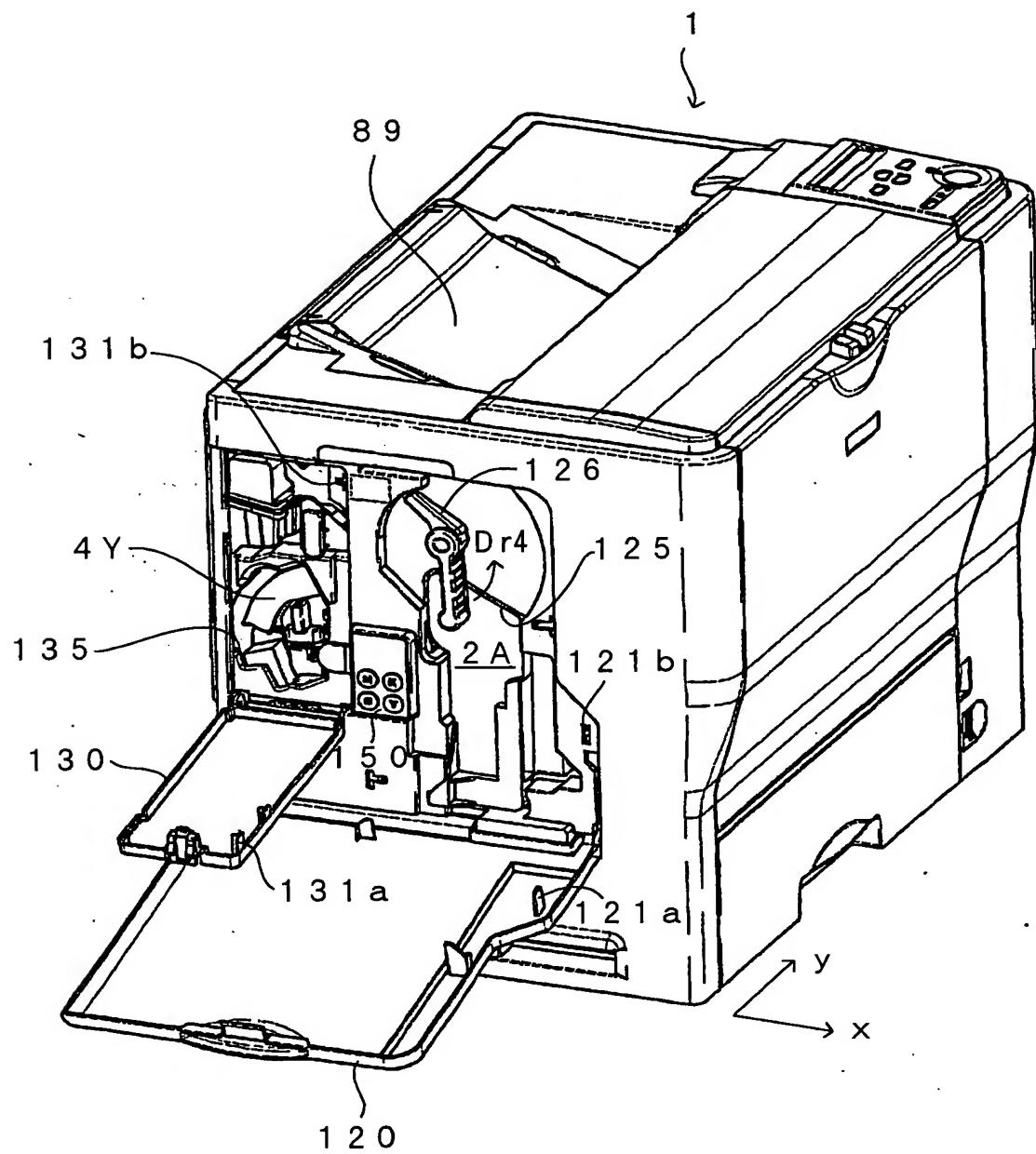


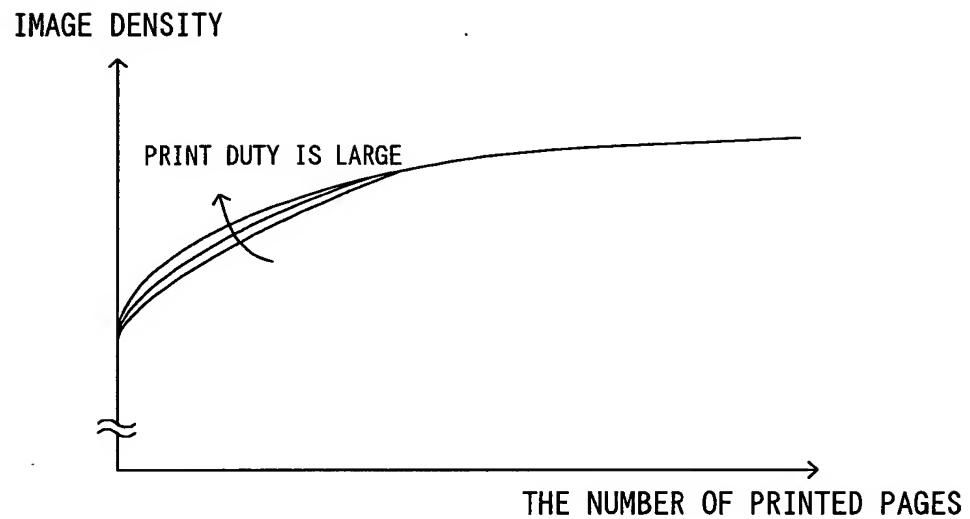
FIG. 27



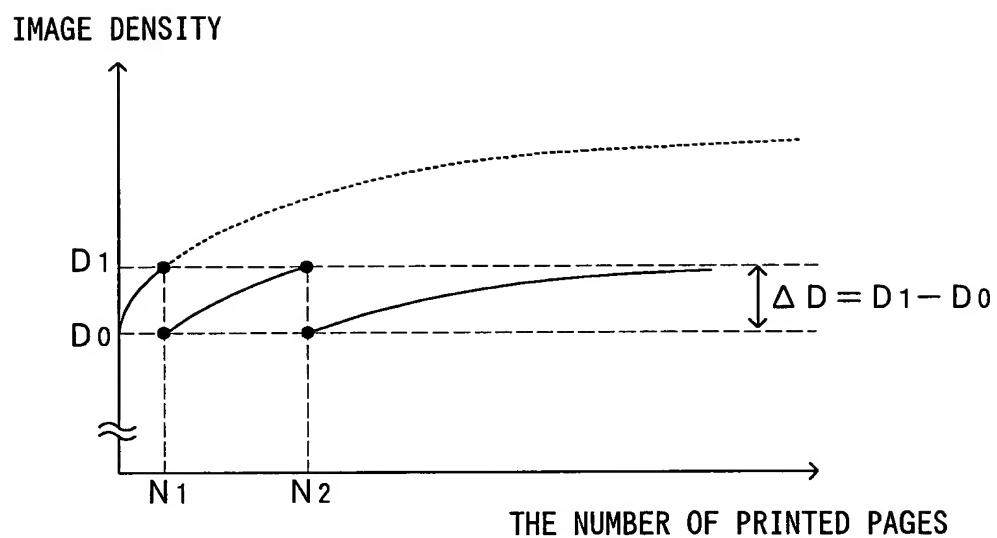
F I G . 2 8



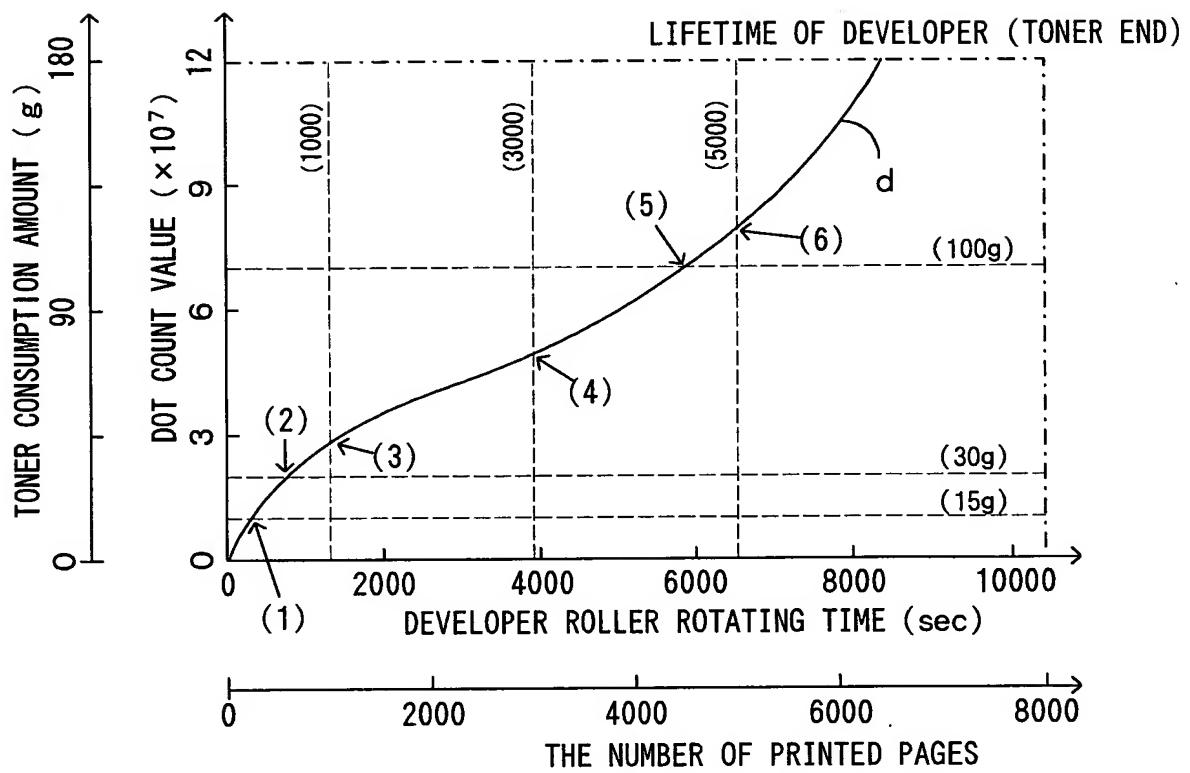
F I G . 2 9



F I G . 3 0



F I G . 3 1



F I G . 3 2

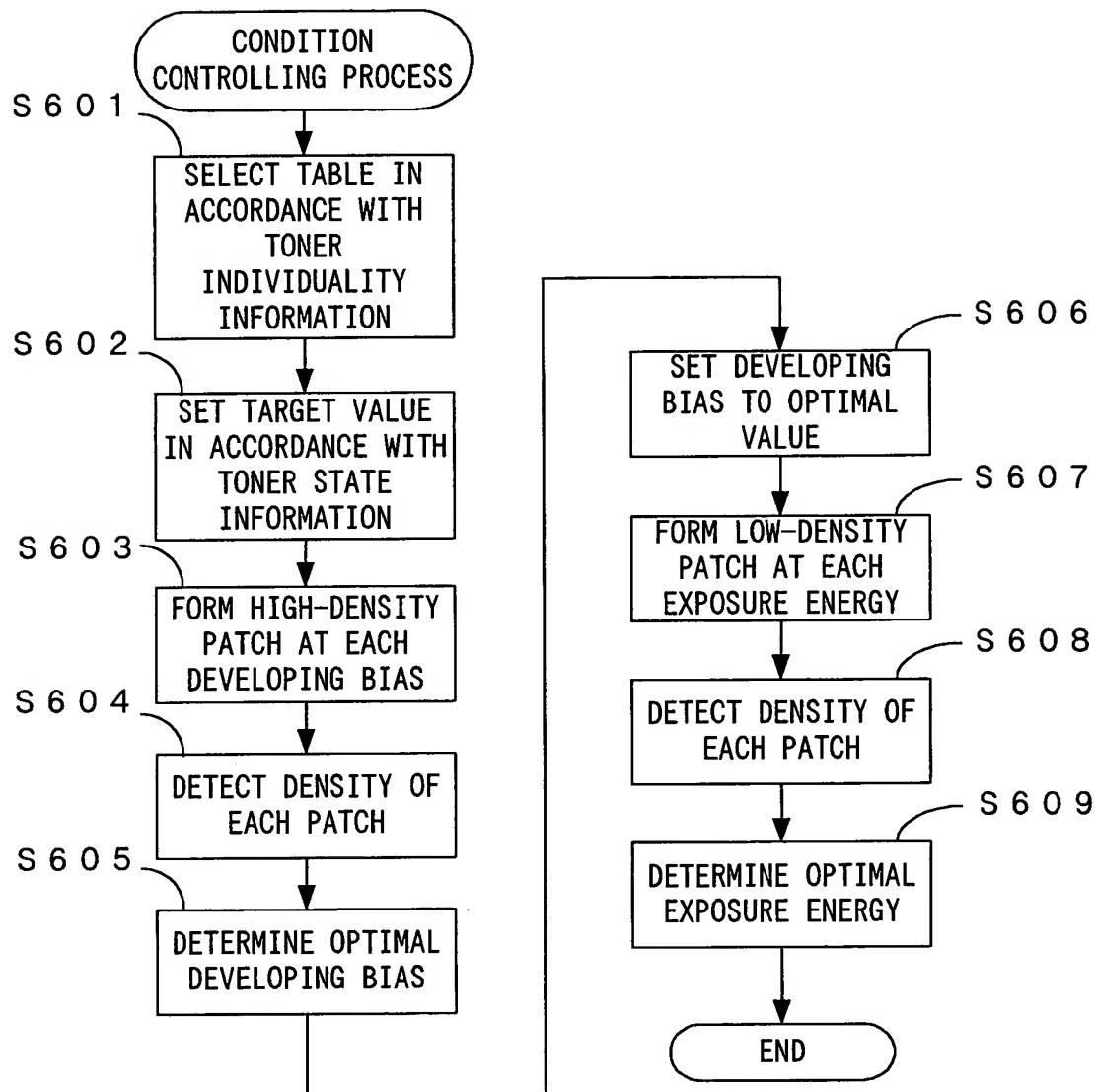


FIG. 33A: HIGH-DENSITY PATCH IMAGE

TONER INDIVIDUALITY INFORMATION = "0"		DEVELOPER ROLLER ROTATING TIME(sec)			
		~1325	~3975	~6625	~10600
D O T C O U N T V A L U E	~1000000	0.990	0.988	0.984	0.982
	~2000000	0.988	0.984	0.982	0.982
	~6666666	0.984	0.982	0.982	0.982
	~12000000	0.982	0.982	0.982	0.982

FIG. 33B: LOW-DENSITY PATCH IMAGE

TONER INDIVIDUALITY INFORMATION = "0"		DEVELOPER ROLLER ROTATING TIME(sec)			
		~1325	~3975	~6625	~10600
D O T C O U N T V A L U E	~1000000	0.185	0.182	0.181	0.180
	~2000000	0.182	0.181	0.180	0.180
	~6666666	0.181	0.180	0.180	0.180
	~12000000	0.180	0.180	0.180	0.180

F I G . 3 4

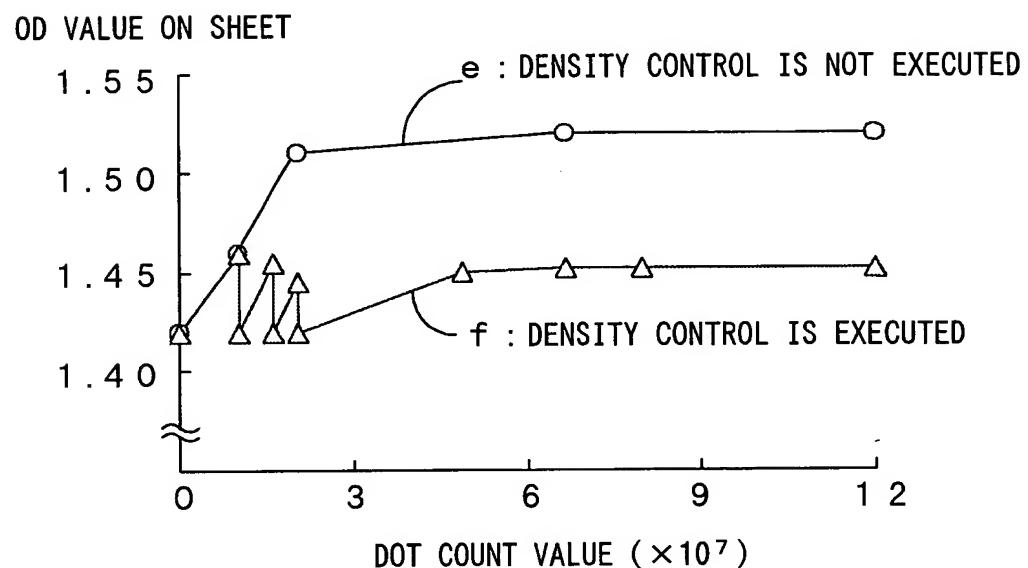


FIG. 35

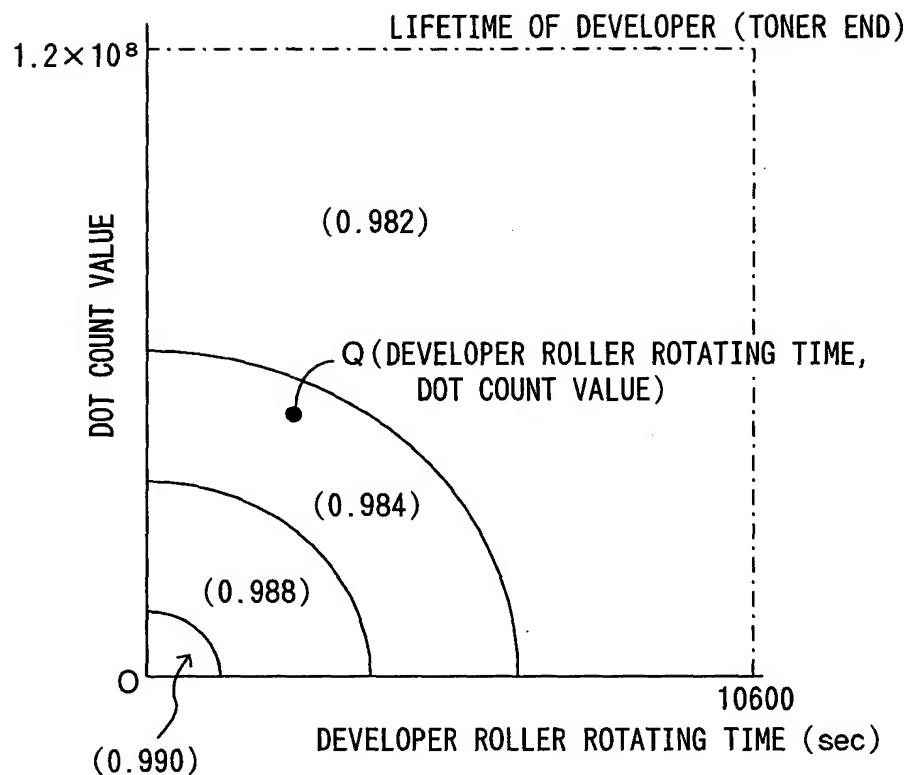


FIG. 36A: HIGH-DENSITY PATCH IMAGE/BLACK TONER

TONER INDIVIDUALITY INFORMATION = "0"		DEVELOPER ROLLER ROTATING TIME(sec)					
		~600	~1325	~3975	~6625	~9275	~10600
D O T C O U N T V A L U E	~500000	0.988	0.988	0.986	0.986	0.984	0.982
	~1000000	0.988	0.988	0.986	0.986	0.984	0.982
	~2000000	0.986	0.986	0.986	0.986	0.984	0.982
	~4000000	0.986	0.986	0.986	0.986	0.984	0.982
	~6666666	0.984	0.984	0.984	0.984	0.984	0.982
	~12000000	0.982	0.982	0.982	0.982	0.982	0.982

FIG. 36B: HIGH-DENSITY PATCH IMAGE/MAGENTA TONER

TONER INDIVIDUALITY INFORMATION = "0"		DEVELOPER ROLLER ROTATING TIME(sec)					
		~600	~1325	~3975	~6625	~9275	~10600
D O T C O U N T V A L U E	~500000	0.977	0.974	0.970	0.968	0.965	0.961
	~1000000	0.974	0.974	0.970	0.968	0.965	0.961
	~2000000	0.970	0.970	0.970	0.968	0.965	0.961
	~4000000	0.968	0.968	0.968	0.968	0.965	0.961
	~6666666	0.965	0.965	0.965	0.965	0.965	0.961
	~12000000	0.961	0.961	0.961	0.961	0.961	0.961

FIG. 37 A: HOME POSITION

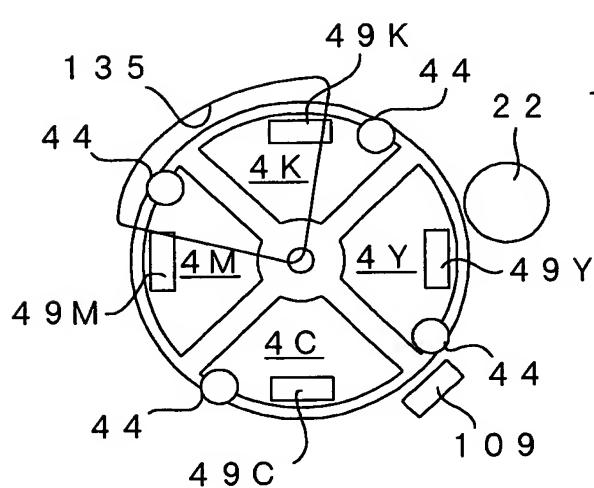


FIG. 37 B: DEVELOPING POSITION

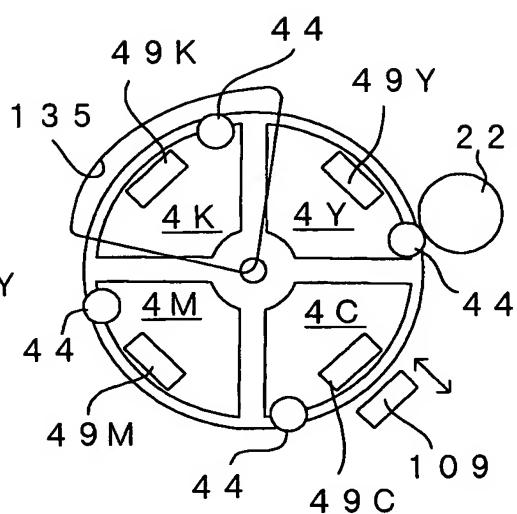
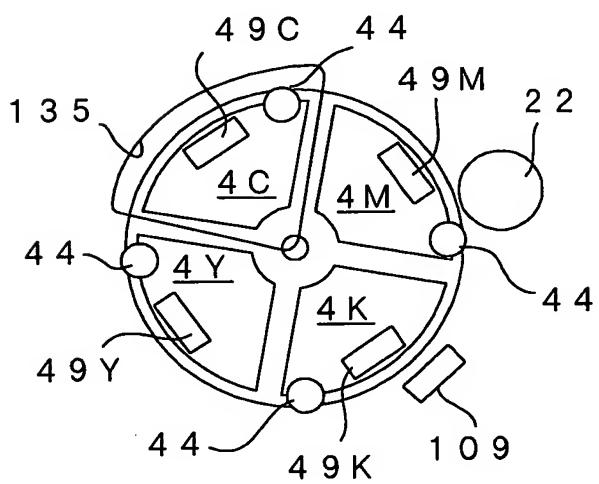
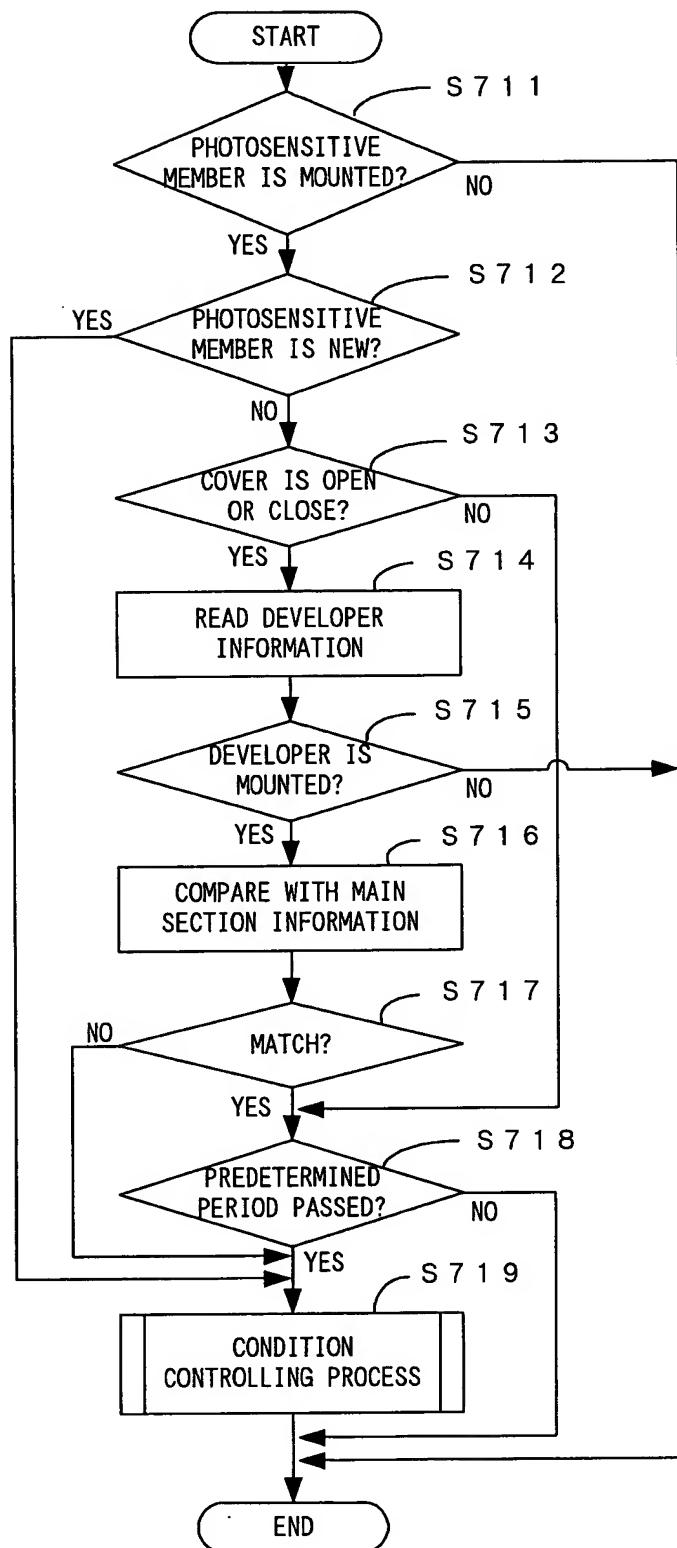


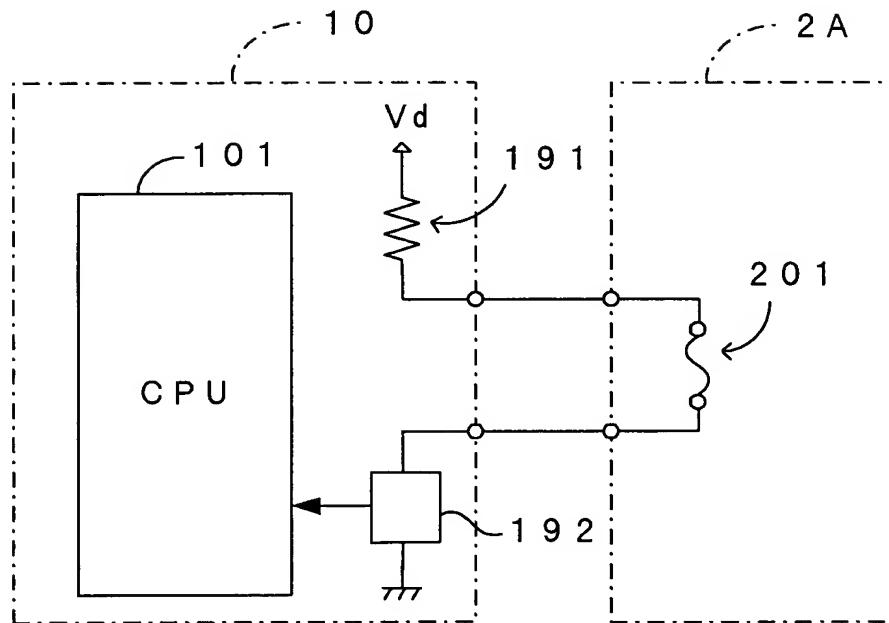
FIG. 37 C: ATTACHING/DETACHING POSITION



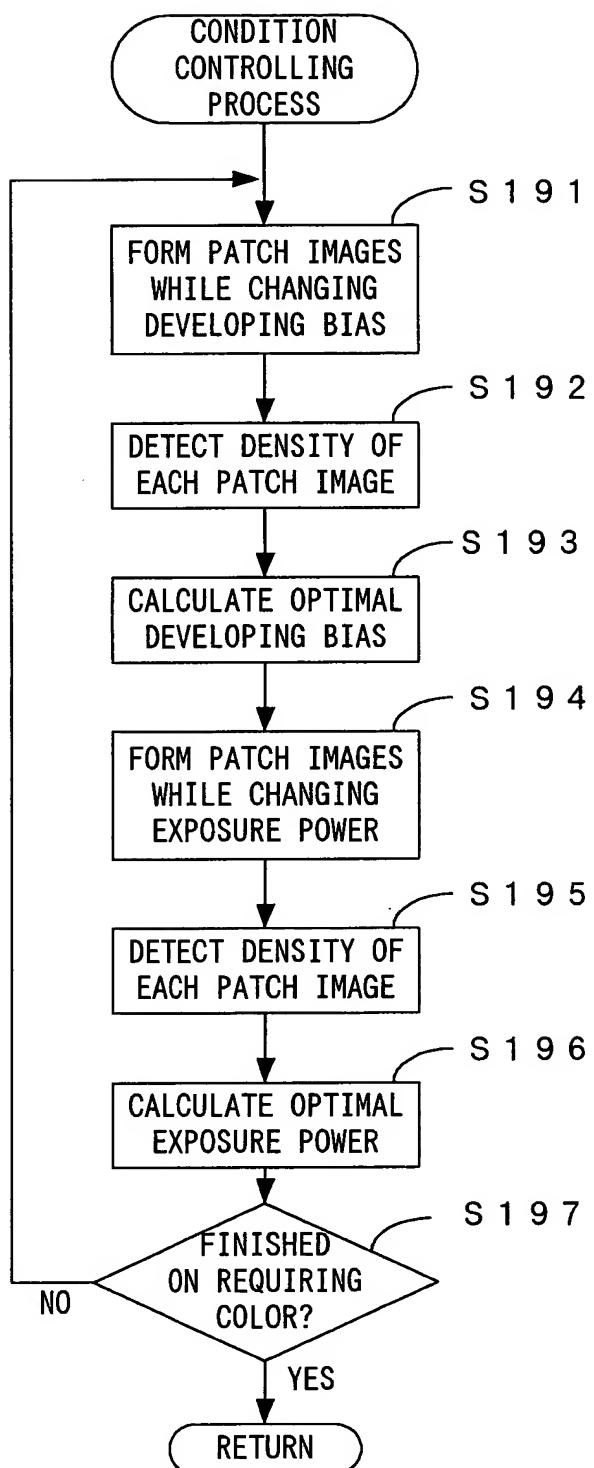
F I G . 3 8



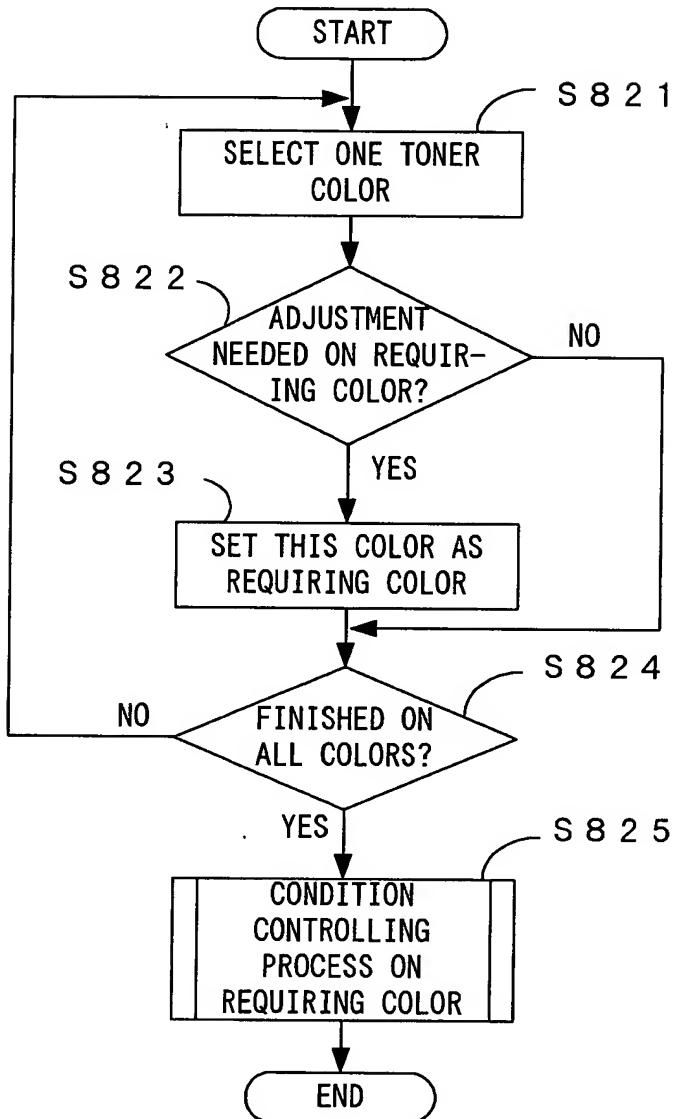
F I G . 3 9



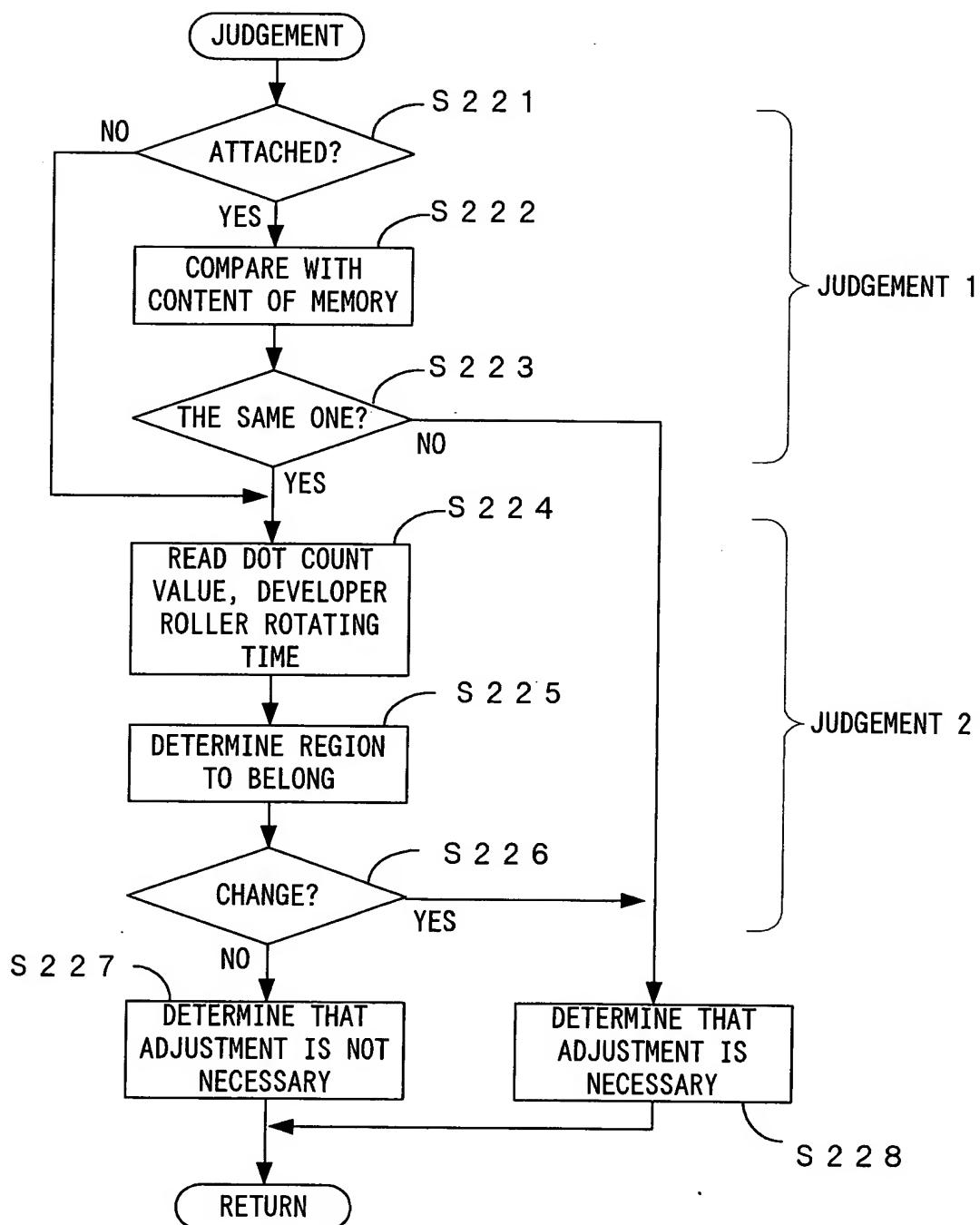
F I G . 4 0



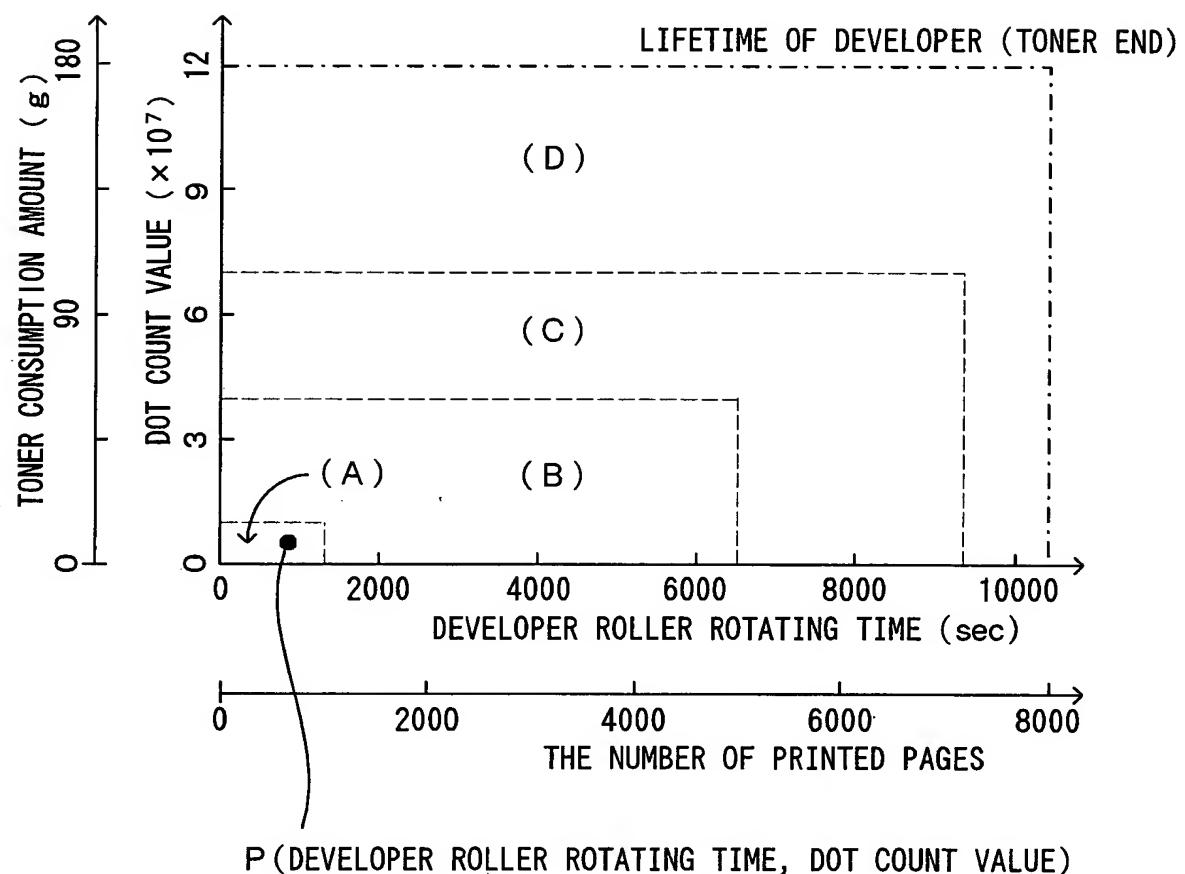
F I G . 4 1



F I G . 4 2



F I G . 4 3



F I G . 4 4

